

<210> 1023
 <211> 1026
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

<400> 1023
 tnagncttat agtgangtng nattncagtg gcgggccgct ctagaactag tgggatcccc 60
 cggcntgnag nanttcggca cgaggntgan tcntattnt tnttncgctt tctacggccn 120
 nngannccnt tttnnnantn nntccnccn nctggcaa at nncngggnaa acctttaaan 180
 attntttttt ntnggntng gcccttnagg ctngtnangg nnttnnaaaa ncnccttca 240
 nnttncttgg gngnaanngg nnaatgcan ctnttnncgg ngaaggggnt aaacgggnact 300
 nacgccnaaa ancatgnaaa cgnggcctct cncctctcta ntntnnaaac aatntttctn 360
 naggncnttt nntttttntc acaaaaaggg gttnnacaga gggagncccc attttttntn 420
 ttnnaagattt tntgngccca naanangann gggntttttt ataanngcnn tacctgtgtg 480
 tggaagaccc ccnanaangn cttttttttt aaagnaggtg nntnggancn cntntntgga 540
 ganacganng aggaaaaacn angnttcnc aaaaagnttt ttntttntcg nngnaanac 600
 tcccttttnt actcttttnc ccncannct gtengngntn nttnnnacc cccccaant 660
 ttttttanaa anataccn cnctcttttt antttcntgg ggaggaacnn ccccccccc 720
 cancatggaa ncntcccnag gtngggggg gncnnaccc cennnactt ggttttattt 780
 ttanaagn gnctatgann nncanntann gntntcgttt tntntnaac ncaatcttt 840
 naattntcnc nccccnnnc tngcntctgg tcnnttntc tancctcatn nccttcngn 900
 tnnantnnnt tcncccantn nantttncgg acctannaa anaantctn tnnccctcnc 960
 aagaaangnt aatttccttc nnnanncnct gaattcnct taatntcgn cnntntntat 1020
 ttncgg 1026

<210> 1024
 <211> 973
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(973)
 <223> n is a, c, g, or t

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<400> 1024
ttgannaacc gntggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcagga attcggcacg aggctcacca tcaacccccca aagctgaagt tctattttaa      120
ctattccctg aacactatta atatagttcc ataaatacaa agagccttat cagtattaaa      180
tttatcaaaa atcccaataa ctcaacacag aatttgcacc ctaaccaaatt attacaaaca      240
ccactagcta acataacacg ccatacacac gaccacagaa tgaattacct acgcaggggg      300
taatgtacat aacattaatg taataangac ataatatgta tatagtacat taaattatat      360
gccccatgca tataagcagg tncatgacct ctatggcggt ncataatata tataattatn      420
gatngtncat agtacattat gtcaaattca ttctggatag aatatctata atatattcct      480
taccattana tcacganctt atttaccttg ccgggggaaa ccancacccg gntaggcagg      540
gatccttntt ntcgntccgg gcccataaac cggggggggtg gttatntaat ggaattttac      600
caggcatntn ggttntttnt tcagggccat ctnatntaaa acnggnccat tntttccttn      660
ttaaataaaa catttcgang gactaatggg ttaatcagcc ctgccttcac acataactgg      720
ggcgggcata acatttggga ntttttttaa tttngggggg angcttggac ttcagnnttg      780
ggccggnaaa agggccctgg acccnggaac attttttttg gncctgggnc ttaaactggg      840
nnttttggnn cccccccctt tatgggntag ccctgggnncn tttncngncn atnggggnccc      900
ngggacttna antttttttt ttttttnccc cccttttttn aaaaatttnc ccccttttaa      960
natttttncc ccc                                              973
  
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<210> 1025
 <211> 1009
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1009)
 <223> n is a, c, g, or t

<400> 1025
 ttgancacag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggaat nnnnnacnan gcnctncccn ganncaantg cagagncnna ccattggtca 120
 atgnatncna atgaangctg tgnatcanct catgtncaan tccaagagca ccacattgnt 180
 natnaancgc gctggtctat ctaaaccaga ctggncnctat naaaancgga cttaacatgc 240
 caaccanttt tttaagcngc ntanttnant tgaanacntc nctactgtaa tgctcgncca 300
 atgangntnt tacctnggta tgcgtctgan accctcgnat cttntacttn ggggnaaanc 360
 nnatatcntn tnnaaagngg ggggncncct ancccttcat cccanttggg gcgaagaana 420
 aagncaganc ctgangatga gctgctgttt tgattttttt natagttccc canaanggag 480
 cctactggga aagtggaaat cnaaaaagaa aagggccaaa cccctgtct tgcaaaagtc 540
 tcggacatcc agcgtcaatt nttgtnaacc ccagtgtaac cncnttcaa agccgttnaa 600
 anaaaattcc tttttgggag cccaaaagcc cttgcctttt tnttgattca nnattctggg 660
 cntngaaac ccncgaaana atttttnaaa agggaaaaat ntnttattca aaangcttnt 720
 ctgggacctg gncccccaan ccnatgccct taaccgatga atgggcn gat tcacaattga 780
 aacttngntt aaccttttgg cctgggagaa acccatttnt tggngnaaat tgaaagtttt 840
 anaaatttaa aattcaagna aaatgggccc ntttttcctt tcaaagggtc ccaagggaaa 900
 cttcaagaaa naaatttanc caaagcccgg gngcctggaa ttttggnaaa attgggantt 960
 ntttgnccct tttcaaanaa ttnggatcna aanaantctt agaaacnnt 1009

<210> 1026
 <211> 964
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(964)
 <223> n is a, c, g, or t

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<400> 1026
naaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaattcg gcacgagggg agaattcaag tgtgatcctc atgaggccac atgctatgac      120
gatgggaaga cttaccacgt gggagaacag tggcagaagg aatatcttgg tgccatttgc      180
tcctgcacat gctttggagg ccagcggggc tggcgctgtg acaactgccg cagacctggg      240
gctgaaccgg gtaacgaagg ctccactgcc cactcctaca accagtattc ccagagatac      300
catcagagaa caaactactaa tgtcaactgc ccaattgagt gttcatgcc tttggatgta      360
caggctgaca gagaagattc ccgagagtaa tatttccaac ccagagaaaac aagcgtggat      420
ctctgccaaag gtccatccaa actggagtgg tgttcgcaga ccccatgtta gtgtgttcct      480
ttcttaagcc ctttgctctg gagtaacttc tncagettca gctcaactca cagcttctcc      540
aagcatcacc ctgggagtgt tttcagactt ttctcataca tgggagcagt aggttatcta      600
ttcttcaaaa tattccatgc caatcagtat tttaaaatga agtgattctn acttgngaatt      660
ttggattggg aatccatagg gaaacacatg cccccaacca agataccnaa atgtcnttga      720
aatgatatta nccaaaaatt ttaagtangg aaaggtancc tgaacacctt ttggnttcca      780
cttaaactgg actgggcccc gcnatantg naaggaaaca gcatgngccc tttgganctg      840
ggggattcaa aaacaagncc cnggtacttc cnttttttcc naaaggaatt ntaagnaatt      900
ggcctaaaaa aaaattnttt tttnttacct ggnaatttna aanaantttt ttccccaaan      960
tttt

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<210> 1027
<211> 1030
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1030)
<223> n is a, c, g, or t

<400> 1027
ancanngctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct      60
gcaggnganga tcaancnant cctggccaag aaacaaaagc agaatcgtcc cattcnngaa      120
tggattcgaa tgaaaactgg caataaaatc aggtacaact ccaagagaag acattggaga      180
agaaccaagc tgggtctata agaagcaagc tgggtctatg agaagtggtc ttaacatgta      240
gaccactttt ttaagcagcc agatcacaat gaaaacatca ctactgtaat gcttggccca      300
tgatgttatt tcctcactat cagtctgaga cccagcaata aatataaaac gttgcaaaaa      360
aaaaaaaaaa aacntggggg gggncceggg cccnnnttcn ccnnnttggg gntcntnnnn      420
nacacanagn acnccatgtc ctnttcnng tnttngntnn tgcntcnant nttgntcgt      480
tagncctttc tncctnnntt ttanttncca ntnttgggtg nannngcttn tngaccttna      540
tnngntntnn natecgccna atcaacacna gntccnacnn tttcgggnan tnnttnncta      600
tcccnanntc gaacttaaca gtcaagnttt ttngntcttn nanccanata ntttcnnnta      660
ttnnnttttn ggcnnnttgg gtntntnctn nttnacnna cattnggnct ttntgannnc      720
tcntntcntn gggatttctt ttttgnncta cntgataann caaatnctat nnngcattgn      780
tttctnacan cngtgtnnnc tcnctcatga natttttnan nnnntantnn attnnnttn      840
tnccttnntn tncgtcanaa tnnegtntcn ancnennngn anatnctttn tccttnctag      900
tncgccctnn tttgtacctc cctctgggcc ggcntnaach accnttgnaa nagttcntgt      960
nnntacnttt ctcttctacg tcancnttan ctagttcnct tttngttnt cttantctac     1020
nntnntccc                                     1030

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<210> 1028
 <211> 1660
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1660)
 <223> n is a, c, g, or t

<400> 1028
 gntgggncgn anatnnncnc anatnnnttt ccnccccnn nccccttttc cctccttcnc 60
 ccaaactccc ccncctatg gngnnngaaa gtnatatattt cncntncttg agaaanactg 120
 gagctccacg cggtggcggc cgctctanaa ctagtntcat cccccgnact gcacgatttn 180
 cgacatcctt nnnntttttt cttaatncct caacntccgc nttaaaanat nggggcntcc 240
 cnannggent anttaaaaaan ntacgtcacn nancttacta ttttttcaan nagnntgaaa 300
 ttccnnttnn ntanntnttn ttatnnctan tngntcttca nnntaatna anntnnatca 360
 ccatcntntn antttcanta agaactannt ntagatcata ttntncaann tgnntntat 420
 ntgcannant tatnatntcn caaannntnt gnnnttantg atnttcnatt ttttnactat 480
 ccaaaaantnn ncgcntnaaa natnnncnaa tagtagncnn tnggnccanc ngtnatnatt 540
 ttctatcanc anttactcta nnnagtctaa ttnttanctt ntggtnannt natttacnta 600
 tngnnatcaa ncnntataaa nttntngtac tantcatatn nngtgnantt tnttcntnan 660
 tcgatnnatt atagntcnnc gcanaggna tttttntnga acanncatta tatannnnaa 720
 ngnataanta nntnngnnag aagnnttttn nnngetcttn ttctnngcaa ntgnntannt 780
 nntnaaccta actcnacntc agntancttt tcncnnnncc ntcannagtn ncgngntnaa 840
 ncanncanen ggcntnatta tncnatatgt ntnnnatcan cgatgcgcnn nnagnntact 900
 gtncanogtn ntgtatnnnc nntngnnntc ntantnngna nctcagcata ttagctnang 960
 tttntctgna ancgctngc nttanntntn tacnatcngn atatagattt ntgnctantn 1020
 nttntacgcc tnagcnntnt nngnntgcnc gccnaatna gantntcgna tntgcgnacn 1080
 tncnnnggan natatactta nntgcacnga tatctnatat atctnctgat nngtcannna 1140
 ntncgatcat aantntcgna tcatnnnta nntannctga tatgcngcnn tntgcgcac 1200
 acnntgagac gnnanntaag annngtggn atantatnac attttnacaa ngngaannga 1260
 cacncnacnn ntntngntna nntaatgatg atacgtntna nagataganc ganatatnnc 1320
 agngtctgna ngtgcnatan tncncganc natcacttac tcatttange ttntntngnt 1380

cncgagatna nncnntnata natntacntg tctnaagana anttcntacn cnngtcanat 1440
atntctantg annanntggtt acgatatgtnt acgtacganc nnagtntcnc tcnnanagnc 1500
annacatata ctatnacgac nantctagac nanatacgnc anagnnangt gantagnant 1560
nnentantct ntntctncta cattaatann natagtgaga cgngtnnctt natannctaa 1620
tacnntnnga gtnttnnaga tatatgctna atctctcgcc 1660

<210> 1029
<211> 955
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, c, g, or t

<400> 1029
nncaanant ggagctccac cgcggtggcg gccgctctag aactagtgga tccccggggc 60
tgcaggcagc tgcagcgctt ctgctcttgt aggtctctct agctatcgcc ttttcgcttc 120
cggaaacatg gcctccggtg tggctgtctc tgatggggtc atcaaagtgt tcaacgacat 180
gaaagtgcgt aagtcgtcga caccagagga agtgaagaag cgcaagaagg cgggtgctctt 240
ctgcctgagt gaggacaaga agaatatcat cctggaggag ggcaaggaga tcctggtggg 300
tgacgtgggc cagacggtag acgacccta tgccaccttt gtcaagatgc tgccagacaa 360
ggactgccgc tacgccctct atgatgcaac ctacgagacc aaggagagca agaaggagga 420
cctggtgttc atcttctggg cccctgagtg tgcaccctt aagagcaaaa tgatctatgc 480
cagctccaag gacgccatca agaagaagct gacggggatc aagcatgaat tacaagcaaa 540
ctgctacgan gaggtcaaag accgcttgca cccttgacga aaagctgggg ggcagcgctt 600
gtcatctcct gganggcaag cctttgtgag ccccttcacc cctgnctgga catctggcag 660
ccccagacct gnccacgggg gttgcangct tgccccttct gccanaccgg agggctgggg 720
gaatcccnca ggggggaggc antccttttnn ccanttgcc aaagcccccc cgacccttg 780
acntnttttt ccttnaccct tgangttttg genttcnaa ccgntttnga acttnnancc 840
ntttgggggtg gaaaaaaaaac aaattncccc ccaggaanc cctntttggg gggggccttt 900
ttttttttaa aaaaacccca annccctgcc ggnnctnccc tttncagann nggna 955

<210> 1030
 <211> 1032
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1032)
 <223> n is a, c, g, or t

<400> 1030
 gccctatnng gagcngcatn acagtggcgg ccgctctaga actagtggat cccccgggct 60
 gcagggtttc atgaagatgg agaatgctgn gtntatgatg aaccattact gaagngnctn 120
 gngngctgcc agcattaggt nggganncac aaagtttgct cctggttcca gggcacgatg 180
 cataatnaag caacaatctt cctttgggag aacctattca ctcccttctt attgcagccg 240
 gncnctatct ncanggnata cttgnacttt ntgatgcanc atgancaatt aangcgagca 300
 aagcnccctt ttttntctgt gcgtggcaag tnacaacnt ngantttggc cttgataaaa 360
 anttcaggtt ttgaaaacaa gatgtcttgc tccttttcca aatcccacgg nataaatccc 420
 agtnttaaac nctgcattct antactgntg ntgaganata caatacatgt tttcctagtn 480
 catataatcn ttgggttntc atatatacat atnntataat tntatgctga tgccccgatt 540
 tttcatanna tacctgcatt ttactgtnaa acatcaagnc ccctctgagt tgtttttann 600
 ananatttnc ngcnnttgcg gttaaaaatt cncctcggnt ntgaaaantt ccatgggtcc 660
 nctcctancn anncaanntc ntcactttgg naattgaaac tantatttnc tcaaacnngn 720
 atctcttacc tcttggnctt ggggggttta anntnacacc tcnaanggct ttcctnntag 780
 gnttnennan nngctanatt cnnttntcaa nctntgcttc ntttcaagna ngccnggnt 840
 nnttnttnc ngaantacaa ntttgggacc cgnatantca cntcanngnn ctntttgatn 900
 nnnnnnaang gcctgnngct ttttgtntng tgnnnnnctn nttnacnatn aacananagg 960
 nnggctncnt ntacantnnc tngnnctnct ttcnntataa ncccttngt nnnccangnc 1020
 nncanaanac cg 1032

<210> 1031
 <211> 1499
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1499)
 <223> n is a, c, g, or t

<400> 1031
 gnnngggccgg nnnatnnntt atntttntnn tatntttttt nnnannnttt ttttgntaca 60
 ccttantnng gggntcnnn gngnnttcaa tggngggngc ggngggccnn cagnnttnng 120
 ccncgggag tcgcatnaca ngngggccgc tctncantat gnnttctctc gnnctgcanc 180
 atcngcncnn ncnctcntt cnttncntcn ccngcntcnn ctngtncna agggggantt 240
 antntannna anagtntcnn nnttgncaac ttatntntnn ttatcctna tatngnaggc 300
 tnnantcngn atctngagan ncgggctntc cnnntctgt ttaantntt tcnanngng 360
 ncangannc ncantctatn ctnnannaat nttnnatgtc ncnnnanntt ntcgcacgan 420
 tentcgttnn tncacagnnt ntgtntttct ngnncccggt nnnctcttct nnnctnnna 480
 tncctcagtt ttnttnnnnc nccnnacnat tntctcnatc ncantncntn tacntntanc 540
 atcgttnnna nanatcnntn cnttnnnntn tttctactc ctctnnanan ttatttccnc 600
 ntctantcnn ntaannnttc gnnttnacct nttagannn nannggannt ttcccnctn 660
 cncnngatcn cgttncccnn ntctcnngt cnancnact cattgcctct atnntcnnta 720
 ntnttatntc tttngancgc cntnngnata ccattnatta taatacgnan atnntcncn 780
 cacgngncc cantntctct ncnnnnnggn ttntgntnan tntcccaa at cncennnga 840
 ccctnnatg gncncnnnn tannccann agnnnncgat tagnacannn gntntnggac 900
 gntcnnatcn atnntntnct gngcntagn cnattttcna nntgntgctn gcgntantgc 960
 ncntntcggn ntaatcgntg tntgttnann ntgnctcta ntngncnggc nntnggttnn 1020
 ctctantgag tccacgntnn nntctnactc tgttggnacg ngatnttgct cnactnacn 1080
 gctcntntat ncnncntgt nngcnnnag tnatntctt attgtntgtt actcctntt 1140
 agnctacann gtttngctnt nntgcttga ccctntaga ccgngcttcc nntnatcctc 1200
 atnggatgtn tnnctngnta ncnctcnt ccgctnttn cntntcnant gatangagtc 1260
 tnnntnatn cgcnnctgtn angtantann atacnncnn ctcnatgnca ctccagtgat 1320
 gngangnta tanntagtct nngtcacgt ancantcnn atggtacna ntctctngng 1380

tngncgcgtn gtatgtggnn gcnnntttcn atgacgntnt anagcagtan ngntacacnt 1440
 ntatagtccg tntnacnaat ctctngnttn ancntntatt cncnncngct cnetcccg 1499

<210> 1032
 <211> 1499
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1499)
 <223> n is a, c, g, or t

<400> 1032
 gnnngggccgg nnnatnnntt atntttntnn tatntttttt nnnannnttt ttttgntaca 60
 ccttantnng gggntcnncn gngnnttcaa tggngggngc gnggggccnn cagnnttnng 120
 ccncgggag tcgcatnaca ngngggccgc tctncantat gnnttctctc gnnctgcanc 180
 atcngcncnn ncnctctntt cnttncntcn ccngctcnn ctngtncna agggggantt 240
 antntannna anagtntcnn nnttgncaac ttatntnttn ttatccntna tatngnagge 300
 tnnantcngn atctngagan ncgggctntc cnnncntgct ttaantnttt tcnanngnng 360
 ncangannc ncantctatn ctnnannaat ntnnnatgtc ncnnnanntt ntcgcacgan 420
 tcntcgtnn tncacagnnt ntgtntttct ngnnncnccgt nnnctctttc nnnnctnnna 480
 tncctcagtt ttnttnnnnc nccnnacnat tntctcnatc ncantncntn tacntntanc 540
 atcgtnnnna nanatcnntn cnttnnnntn tttntctact ctntcnanan ttatttccnc 600
 ntctantcnn ntaannnttc gnnttnacct nttagannn nannggannt ttcccnctn 660
 cncnngatcn cgttncccn ntntcnngt cnancnact cattgcctct atntntcnnta 720
 ntnttatntc tttngancgc cntnngnata ccattnatta taatacgnan atnnntcncn 780
 cacgngncc cantntctct nncnnnnggn ttntgntnan tntcccaa at cncnncnga 840
 cccntnnatg gncncnncnn tannnccann agnnnncgat tagnacannn gntntnggac 900
 gntcnnatcn atntntntct gnggentagn cnattttcna nntgntgctn gcgntantgc 960
 ncntntcgnn ntaatcgntg tntgttnann ntgnntctta ntngncnggc nntnggttnn 1020
 ctctantgag tccacgtnn nntctnactc tgttgnnacg ngatnttgct cnanctnacn 1080
 gctcntntat ncnncntgt nnnngcnnnag tnatntcct attgtntgtt actcctnttt 1140
 agnotacann gtttngctnt nntgcttga ccntntaga ccngcttcc nntnatcctc 1200
 atnggatgtn tnnentgnta ncnccctct ccgctnttn cntntcnant gatangagtc 1260

tnnnntnatn cgcntgttn angtantann atacncnnan ctcnatgnca ctccagtgat	1320
gnangtnnta tanntagtct nngtcatcgt ancantcnnn atggtacna ntctctngng	1380
tngncgcgtn gtatgtggnn gcnnntttcn atgacgntnt anagcagtan ngntacacnt	1440
ntatagtccg ttnacnaat ctctngnttn ancntntatt cncnnengct cncctccgn	1499

<210> 1033
 <211> 973
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(973)
 <223> n is a, c, g, or t

<400> 1033	
ttnnnaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atccccggg	60
ctgcaggaat tcggcacgag gcagcaaccg tcgcgatgtt gatgcctaag aagaaccgga	120
ttgccattta tgaactcctt ttttaaggagg gggatgatgtt ggccaagaag gatgtccaca	180
tgcccaagca cccggagcta gcagacaaga atgtgccaa tcttcacgtc atgaaagcca	240
tgcagtctct caagtcacga ggctacgtga aggaacagtt tgcttgaga catttctact	300
ggtacctcac caacgagggc atccagtatc tccgtgatta cctccacctg cccctgaga	360
tcgtgccgc caccctgcgc cgnagccgtc ctgagactgg nccggccaag gcccaaaggt	420
ctggaaggaa agcgacttgc aanactcatt cgaaggggaa gccgacagaa aacaccttac	480
agacgaagcg ccgtgcccc tggcgccgac aagaaggccg angncggggc ttggtcaaca	540
acttgaattc aagtttaaag gcggatttgg tcgtggacgt ggtcaaccnn cttantgaaa	600
ttgaaangga atggttttgt gttgaataaa cctgttacc gaagaaaaaa aaaaaaaaaa	660
anggggggnc ccggnccca aattcnccct ttaggggngn nnnntnaana annnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnn	973

<210> 1034
 <211> 972
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(972)
 <223> n is a, c, g, or t

<400> 1034
 ttganacagc tggagctccc cgcggtggcg gccgctctag aactagtgga tccccgggc 60
 tgcaggcnnn atnaagcnnn tcctcccaag aancaaaagc agaatcgtcc cattnctcan 120
 tggattcgaa tgaaaactgg caataaaatc aggtacaact ccaagagaag acattggaga 180
 agaaccaagc tgggtctata agaagcaagc tgggtctatg agaagtgggt cttaacatgt 240
 agaccacttt tttaagcagn cagatcacia tgaaaacatc actactgtaa tgcttggccc 300
 atgatgttat ttctcacta tcagtctgag acccagcaat aaatataaaa cgttgcaaaa 360
 aaaaaaaaaa aaannntggg gggggccnng gcccnnntn ccccttntng gggnggnnt 420
 nanactncgg gaaccttnac taaccanac cangccgcat tcanggagcc aangtttttg 480
 gtgggcaccg atnccagggc tgaccaccaa ccccttacgg gnagcctntt acntgaacct 540
 gcaaccattg nccttntgca anacgggctn tncntngnc tacgtggana ttgncattcc 600
 ntgcaacaac aangggagng cncntantgg gtctngagtg gnggatgcnt ccccggaag 660
 tcctngcat gcttggcacc cnttttccga naagcncnc gnggggaggt cntgcccga 720
 ccttttactt ttacanaaa atncntnngg nggaattnga aaaggaann aancnnncnn 780
 nnnntttan aaagnntnt gannccnng nnggagtttn nngggngaa nnggntnt 840
 ttccacnttc aaantttncg ggtntttnn ncctttaggg gggnaaaat tgnntttnaa 900
 nggnttnna angngcctt ttcnngtncc cttttannnn ntntcccccc ttngnaact 960
 tngangcct cc 972

<210> 1035
 <211> 1098
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1098)
 <223> n is a, c, g, or t

<400> 1035
 tttgaanaca atctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc 60
 gggctgcagg anttnngcac naggnnttta nctaaaaanc nnnntnntcn gggcannagg 120
 gggggnnnca tnetgacnat ngcncncgcn cnacnnaccc gggnantnng gncnancnt 180
 nncngncatg aggctnnac accnaacna nattcacann tnceccatna ttgnngacnc 240
 cngcntncng ncatganaan nngctgcct cccaatgacn ntnnttacnt cacnatatac 300
 ntggtatntn cgancancnc ttnanttttt aantccactt nnnccaaggg nanactacca 360
 nncttnaaat ctnttanccn ngggnagggc naaatncctt gncagnchnan nantannaac 420
 nggantttnc nanggnncga ncnnggacgn aaccttttng ggaccttgcc nnanggccan 480
 ntntnggccc catgantgcc ctnnntnnnn naggnnnacc ctcttnnaan tngnngtnnn 540
 gnnnatntc ncnntncnac tacnncacan aantttgggc cnnnccccn tctngnncaa 600
 acnangatnt tctntctncc ttgaaangga nnaaaaaana antttcttat ttaaccacca 660
 ttaaaaaann ntcgnggtng gntcannnca nctnccccn ctcnnaaaan accntttant 720
 cccttnngnn tgnannanan gnntnnccn ncccccttt ncnctttcnn cannnntnac 780
 tnnatntccc cnncgntctc nccntnnctn tnnnttnttc cccaccngnt tncgaaaaa 840
 cctnttnccc aananctann gtttncan nntccntnc actcctatta nntnnatnt 900
 ntnggttnnc ttnatntctc ctcannaanc natagctnnt nactnccntt ttntttnnct 960
 ccantatncc gcentctact ncttctnnc ttnatcaan aattacntn nntnctccg 1020
 tcgttnnctg tttantenta cctntactac nncannngtt aatnttgtn cctgntcnn 1080
 ntcttctnct catanncn 1098

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<210> 1036
<211> 923
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(923)
<223> n is a, c, g, or t

<400> 1036
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc      60
aggaattcgg cacgaggcag caaccgtcgc gatgttgatg cctaagaaga accggattgc      120
catttatgaa ctcttttta aggagggggt gatggtggcc aagaaggatg tccacatgcc      180
caagcaccgc gagctagcag acaagaatgt gcccaatctt cacgtcatga aagccatgca      240
gtctctcaag tcacgaggct acgtgaagga acagtttgcc tggagacatt tctactggta      300
cctcaccaac gagggcatcc agtatctccg tgattacctc cacctgcccc ctgagatcgt      360
gcccgccacc ctgcgccgca gccgtcctga gactggccgg ccaaggcca aaggtctgga      420
gggagagcga cctgcaagac tactcgagg ggaagccgac agagacacct acagacgaag      480
cgccgtgccc cctggtgccg acaagaaggc cgaggccggg gctgggtcag caactgaatt      540
ccagtttaaa ggcggatttg gtcgtggacg tggtcagcca ccttagtgaa gttgaaaggg      600
attgtttttg tgttgaataa acctgtaaac agaagaaaaa aaaaaaaaaa aaaggggggg      660
cccggncca aattcncnt aaagggggnn nnntaaaaan nnnnnnnnnn nnnnnnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnn                                           923

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<210> 1037
<211> 992
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(992)
<223> n is a, c, g, or t

<400> 1037
aaaactggac tccaccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag      60

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gctcctggtg agcaaggtcc ttccggagcc tctggtcctg ctggtccccg cggtccccct	120
ggctctgctg gttctcccg caaagatgga ctcaatggte tcccaggccc catcggtccc	180
cctgggcctc gaggtcgac tggtgatgct ggtcctgctg gtcctcccg ccctcctgga	240
ccccctggtc cccaggtcc tcccagcggc ggctacgact tgagcttcct gccccagcca	300
cctcaagaga aggctcacga tgggtggcgc tactaccggg ctgatgatgc caatgtggtc	360
cgtgaccgtg acctcgaggt ggacaccacc ctcaagagcc tgagccagca gatcgagaac	420
atccggagcc ctgaaggcag ccgcaagaac cccgcccga cctgccgtga cctcaagatg	480
tgccactctg actggaagag cggagaatac tggattgacc ccaaccaagg ctgcaacctg	540
gatgccatta aggtcttctg caacatggaa accggtgaga cctgtgtata cccactcag	600
cccagcgtgg ccagaagaa ctggtatata agcaagaacc ccaaggaaaa gaggcacgtc	660
tggtagcggc aagagcatga ccggcggatt ccagttcgag tatggcgggc caggggttcc	720
gaccttgcc gatgtggcca tncagctgaa tttcttgccg ctgatgtcca ccgangcctt	780
ccaanaaatc acctaccact ggaaagaaca gcgnggncta atggaccaa ncanactggc	840
aaccttcaaa aaggccttgt tcttcanggc ttccaacgaa aatcgaaaat ccgggccgan	900
gggaaaaagc cggtttacct tacagggtag cctaccangg gtggccaaan caaccggaa	960
ccctgggggc caaaaagnga ttggaatacc na	992

<210> 1038
 <211> 1321
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1321)
 <223> n is a, c, g, or t

<400> 1038	
tttgagncct tanangngnn gtcggtatta acaaggggan gggcgcnata tagnaactag	60
gtggtatccc ccgggcntng caggnatnca nattcnntga gggnttnnc ttgagccctg	120
taggggagnn cncgtnnctn gggggcnnt cnatgancc tagtacnnan acnntctnt	180
tnagnnnatn ttttnngtg ncnntanann ngannngatt gcntngagcg ttnnnnnggn	240
tnncttnnat ncgggnatnn gnagcnattg tntggtagt tgnntanagg nnntatnntg	300
annatcnnt gnnnnngngg aangcnnagg gngnnntncg anngtnctnt nnntgnacga	360
tntgacnnnn ttnntcgatn nnanaatnnt ntcnnccaa nnttngctan atagnntngt	420

gnnnngcnan taaacnnncn annntannna nngattccna natnnncctn aanncgnttn	480
ancnnngtnn nnaatnanc ntggnnncng ntatnnntcn aatnnnnnan nntcgngcag	540
cntatgnaca atantggnta nntnnantnn nattagnncn actgatacng naantntntn	600
ncctntntcn atttngttt agnnngngng tnnnnagngg gttnantttnt nnnnggngt	660
ntcgtgtant nnaangtnnn nagggnggg nnntgnnann tnngaangng gananntatg	720
atgcncnna gtacttntgg aacttcattn ngnanggggn tnngtntctg nangngncnn	780
nngntgcatg cntantntnn nancnntta tngcncctg tntgnggngn tnnntggann	840
ttngggnngt ttannngnn tngnngtaga cntgtgtcgn nnnagggttt ntntgngctn	900
tcnggatgtt gnntttganc agtnngtana tnannggntn antangnatn anatnnnta	960
ggacggtnat gggaaccng gtanatntt ttgtnnngtn nnnagtannn ggtgnagnna	1020
ntanatctan aancgaggaa ccnacnttnn annngnnnnn ttcgnntgn agtantagnc	1080
ggcgngnnn taagttanct tgcnacgatn cgttgtgtcn cncncganat angcgnttnn	1140
acgttntctgn tcnnncacgt ngctcnnntn agngttcgt nncntatgna ggantntgna	1200
cgtntncgag ngaacnnaca tcgtcgnatg gcntnnaatg ngngcgtatt ngncgtngnn	1260
gacnantgac gcancnatan nncntntngt acgtangtaa gtcnnannnn tncntnttgc	1320
g	1321

<210> 1039
 <211> 929
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(929)
 <223> n is a, c, g, or t

<400> 1039	
ncaaannctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggt	60
gcaggcttga agaagaagta cccaatggcc aagtacctgt gtgtgttgct aattgtggct	120
ggagtggccc ttttcatgta caaacccaaa aaagtagtcg ggatagaaga acacacaatt	180
ggctatggag agctgctcct gctcttgtct ctaaccctcg atggactgac cgggtgtttcc	240
caggaccaca tgcgagctca ctaccaaaca ggctccaacc acatgatgct gaacatcaac	300
ctttggtcga cactgntgnt gggagctgga atcctgntca cgggggagct ctgggagttc	360

ttgagctttg	ccgaaaggna	ccctaccatc	gtctataaca	tccttctctt	tggcctgact	420
agtgccctgg	gccagagctt	catcttcatg	acagtttgtg	atttcgggtcc	cctgacctgc	480
tccatcatca	ccacaactcg	aaagttcttc	accatttttg	cctctgtgat	cctcttcgcc	540
aaccccatca	gccccatgca	gtgggtgggc	accgtgctgg	tgttcttggg	tctcggtctt	600
gatgccaaagt	ttgggaaggg	agcccaagaa	gacatccac	tangaagaga	gaagactacc	660
tcnactccaa	gaatatttaa	anttattttc	tccaacagtn	gacatctctt	gggaaaacgg	720
acacaattag	agataaaagg	gactattgtc	antctgggaa	aaaanannnn	nnacnnnnnn	780
ntnccnnngg	ggggggggccc	nnggccnaa	tnttcccccc	ttttangggg	ggngnnntnt	840
aaaaannnng	gnnnnnnnnn	gggnnnnnng	ntnnnnnnnn	ntnnnttcn	aatnnngtnn	900
gnntnnnnnc	nngnnnnnt	ggggnnnnc				929

<210> 1040
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1040						
gcctatagng	agnngnatta	cagtggcggc	cgctctagaa	ctagtgggat	ccccnggnct	60
gnaggttaac	gctgcagcct	ccgncgtacc	cgcgctgan	ccntgccaa	ncgcttttga	120
acaagaagan	ggntgngcct	nccangnatg	ntgatcttgg	caaaactgnc	anggatgnnt	180
tcaccnaggg	ctatggattt	ggnttaataa	aacttgatct	gaaaacaaaa	tctgagaatg	240
gactggaatt	tacgagctca	ggttcagcca	acaccgagac	caccaaagtg	acgggcagcc	300
tggaaaccaa	gtacagatgg	actgaatatg	gtctgacgtt	tacacgagaa	atggaacact	360
gncaacacgc	tgggcacgga	gattactgtg	gaanatnagc	ttgcacgtgg	cctgaanctg	420
accttcgatt	catccttctc	accaaact	gggaaaaaaa	atgctnnaat	caagacaggg	480
tacaagcggg	aacatatcaa	cctgggctgn	gatgnggatt	ttgacataan	tggttcttcc	540
attccggggc	gctctggngc	tgggntatga	angtttgctg	gntggctacc	anatgaattt	600
ttgaactgct	aaagtctcca	agtgactcat	aagcaacttt	tncagtttgg	ctnacnanaa	660
ccgnngaagt	nccagcttcn	cacttaantg	tnaaantgat	gggaaccncn	agtnttggtg	720
gcctccctnt	tttccagaaa	ggngaacnaa	naaagtttgg	annaccncn	gttaattctn	780

gccttgacc cngaangana aacaanacac cactcctntt cggaanttan cctncccaag	840
tcnccanttt tnnaacnnnn nncggccngg cttttnttct ntangtgga ccaaacnccc	900
nccctgtttt ggattaggga tatactccnn aacccttnaa ntccnnggtt ttaaaacnnn	960
cncttngtct gctttgnttg gnc	983

<210> 1041
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1041	
gcctatagng agnngnatta cagtggcggc cgctctagaa ctagtgggat cccnnggnct	60
gnaggttaac gctgcagcct ccgncgtacc cgcgcctgan ccnntgccaa ncgcttttga	120
acaagaagan ggntgngcct nccangnatg ntgatcttgg caaaactgnc anggatgnnt	180
tcaccnaggg ctatggattt ggnttaataa aacttgatct gaaaacaaaa tctgagaatg	240
gactggaatt tacgagctca ggttcagcca acaccgagac caccaaagtg acgggcagcc	300
tggaaccaa gtacagatgg actgaatatg gtctgacgtt tacacgagaa atggaacact	360
gncaacacgc tgggcacgga gattactgtg gaanatnagc ttgcacgtgg cctgaanctg	420
accttcgatt catccttctc accaaacact gggaaaaaaa atgctnnaat caagacaggg	480
tacaagcggg aacatatcaa cctgggctgn gatngggatt ttgacataa tggttcttcc	540
attccggggc gctctggngc tgggntatga angtttgctg gntggctacc anatgaattt	600
ttgaactgct aaagtctcca agtgactcat aagcaacttt tncagtttgg ctnacnanaa	660
ccgnngaagt nccagcttcn cacttaantg tnaaantgat gggaaccncn agtnttggtg	720
gcctccctnt tttccagaaa ggngaacnaa naaagtttgg annaccncn gttattctn	780
gccttgacc cngaangana aacaanacac cactcctntt cggaanttan cctncccaag	840
tcnccanttt tnnaacnnnn nncggccngg cttttnttct ntangtgga ccaaacnccc	900
nccctgtttt ggattaggga tatactccnn aacccttnaa ntccnnggtt ttaaaacnnn	960
cncttngtct gctttgnttg gnc	983

<210> 1042
<211> 991
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(991)
<223> n is a, c, g, or t

<400> 1042
ttnaaaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggnc naggtcgagc tncactgcgg cagcagcaga gcggagtgtg cattctgatt 120
tgctacgttt atatatatct tgaagctaaa tgtatatatg agtagtttgc cntgagataa 180
cacagtgtaa acagtagaca ccagaaatt gtgacttctg tgttctctcc atttgagtat 240
tttgtaattt ttttgaaata tttgtggaca taaataaaaa caagctacac taattcatac 300
tnaaaaaaaa aaaaaaaagg catncagtat nnangagaan accnacannt aaccctgag 360
atcnagcccg ccaccctgaa ncgnnncttc ctgnngggggg ggggcccchn cccaaaggtn 420
tgnagggaga gcnantntnc nnnnnnnnnt nnnnnnnaan ccnnncngan annnntacng 480
acnaannncc nnnnnntttt gnngcenncn nnnntnnccn ttgncnnnnn tnnnnnnnnn 540
ncnnnnnttc annnnnnann nnnnnnnnnn nnnnnncnng nnnannccnn ttnnntnnan 600
nnnnnnnggn tttttttnnn ncccccccc ccccccccc ccccccccc cccnnnnnnn 660
tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnnn nnnnnnnntt tanaannnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccnnn nnnnnntttn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnntttt tnnnnnnnnn nnnnnnnntn nntttnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn n nnnnnnnnnn 991

<210> 1043
 <211> 931
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(931)
 <223> n is a, c, g, or t

<400> 1043
 ancacagctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggagctt attgaatgaa aactccagag actgaaaaac caaacatgag ggtagcaggt 120
 gctgcaaagt tgggtggcgc tgtggcagta tttttactga cattctatgt tattttctcaa 180
 gtattcgaaa taaaaatgga tgcaagttta ggaaatctat ttgcaaggtc agcattggat 240
 gcggttgtnc gttctacaaa acctcccaga tataaatgtg gaatctcaaa agcttgccct 300
 gagaagcatt ttgnttttaa aatggcaagt ggagcagcca atgtgggtggg acccaaaatc 360
 tgcctanagg acaatgtttt aatgagtggg gttaanaata atgttggaag aggaatcaat 420
 gttgccttgg taaatggcaa aacgggagaa ctaatagacn ccanattttt tgacatgtgg 480
 ggaggaaatg tggccccatt tattgagttc tgaaggccat acaanatgga acaatagtct 540
 taatgggaac atatgatgat ggancancca aactcaatga tgaggcccg cgctgattgc 600
 tgaattgggg agtncatcta ttactcatct tggtttcaaa nacaactggg tcttntgggg 660
 nggaaaaggc nttaanacaa aagccctttt gancgcgccn taaggaacn tnggggcccc 720
 anttantttg aaggatggnc ctgaanttgn ggaaatggaa aggatgcctt tccccaaac 780
 caaaactggc cggggnaaaa acccganggg agncccttt tccttggtan ngggnaaagc 840
 ccctncccaa aaaacctcnc ttttaaant tttanaacn tgccccccct ttcggggggg 900
 ggccctttcc ctttttnntt tttgnantaa a 931

<210> 1044
 <211> 984
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(984)
 <223> n is a, c, g, or t

<400> 1044
 ttgaanacaa tctggagctc caccgcgggtg gcggccgctc tagaactagt ggatcccccg 60

ggctgcagga attcggcacg agganntaaa ctagaaatcc ctctaacctg tgaatgaaga	120
ggggtggacc ctgagcagtg cctcaataaa acaagtagcc ttacttgtca aaatgtagct	180
gcattgaagt ggcacactgc tcttctggtc tccagaattt ttctgttcta aacttgattc	240
tcttagcctg tccccacccc gcttgcttcc ctaccctctt ccgcctctca caggggtgat	300
ttctacctct tgggcccaga caagatctaa aagagttccc aagtgttctc atgaggcgat	360
gtgtctgccc ttggagtgtg agatgcttcg gtgagctgtt cggaccatca ngcgttctgg	420
gcccgcgtta tgcaaagagc tccgggagcc tttcctttgc ttgacaaatg agcgttgccg	480
tccttggatg tctggcagaa agtagcatac ctgcttctct tcatacattt tttaaactag	540
taaattgcat ttttggaag caaaagcaac ttttaaaata gtctggtttt aattctgcaa	600
tagtttttct tcccttcgaa actgttctgt gagtctaanc tgctgctctt tctttttctc	660
cctaaaatct gagtatttct ccattgtccc ctacgccgga aatactacag atgtggtttn	720
aatcgaactg gacaggttca ccttatactg ggnaagaaaa ttaccttct taattggccc	780
aagtaaaaat taactgtcaa gcaaatatgg ttcatttgga ttattattac tgnaggtttt	840
atattcaang aatttggtcaa actttttntt taancctggg acttcattgt ntaaaattan	900
ttaaaaggtt ttnaaaangn gaaccggant naatcaaata attttgaaac aaaacaatgg	960
ggcntggant ttttttaaaa aaaa	984

<210> 1045
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1045	
ttganaacag ctggagctcc accgcggtgg cggcgcgtct agaactagtg gatcccccg	60
gctgcaggna ngaactanga ngnnnnggnt gctnnnttgt ccngnncaag ngnnangctg	120
ntgnggnnnc tacnaanctc tgcggctnat tgncctnctgc agatggagct gtgcatggga	180
gcatcannca caggagacct ntggtnannn cnctgtncct nngccacacc tgnngngagt	240
gnacngcntn ntgttgnccc ttncgacct gacnnnacct naaanncngt gnngnnggnt	300
ntntganant atatecntn tntntgactg anaccagca atnnttnngg ggggtccna	360
ancnnatggg gaaaggtngg ggngggggtn tcccttcatt aggaaattgn agtangatgt	420

cnttttatag aattgtttta ttgtatagtg ctatttgaat gntggaaacg acanaatnaa 480
 actgcncctt actctcnnaa aataaaaaaa ananantntt tnnncggggt ttctntntnn 540
 ntntnnnnt ntntntnat tttntntna antnnnnngn nngcnaanc atttcttttn 600
 tttntttntn tnatntctnn nnnntnttt tntnccnt tcttctttnn tnnntnnana 660
 tntntnecn ttntctntt tngnnnnnc tttcttntn cntcnantnn tngctnnnn 720
 tncntnattn nnncttctn ntcnnnttt nntactncnn tttntacntn ncntntntt 780
 tnnctctnna nnttanntn tnttttntn ntntttcnn ntannntngt nctnttttt 840
 nnancctttn nnttacnt nnttntnt ntntnnant ttantntnt 900
 annantttt nntnnnnnn atntntnt ntntntnn tnatccctt nntnnncna 960
 tntntntnt nntntttt n

<210> 1046
 <211> 1591
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1591)
 <223> n is a, c, g, or t

<400> 1046
 ncgncanngn tcgtaccgt ntannntnn nnnnnnnntn nnnnnnnnn nccncccc 60
 tctctnate nccacntct cctcccttc ttncncnc tcnnnnnann ngcnegang 120
 ngcagtnecn tgccntttt ncacaaaaac tggagctcca cgcgngggcg gccgctctat 180
 atctagtga ttccnccgnc tgnnggcaat tattatttn tnttattta tacacctcg 240
 aatacactca atntanntat natngcccac ttctcatccc tatntcgng ttctntnct 300
 tntcttgnt cnnanacaca nccattctc attcnatna cnttgntnt actagntant 360
 tcgntnnnta ttntcatta tttntatan tntnatana ctanatatna ttnttaantn 420
 cnatnttgc ttttctcat cttncntta anacnantct nttatttca aaatnttant 480
 tntatttcaa canantntn anttattnn cctncctnc tatgtnnata ttcnatntt 540
 natgaaacta ctcttnannt tcanttnatt cntcantatn tantnacnat taatatnatg 600
 tnnctnnnt ncacntattn nataccaan tatcttttca tatctcanac nncntttta 660
 taatcanatc tatntctnt naatctttna caagctnnn taanntctn ncatnatta 720

tttctnnnct gnttanantn nanttnnatt nanntncacc ttnccttcaan tatnatntcn	780
atgtacnata nnnccnnnca nnaaactcnt tnnctctntt ccnnncctat tncataatcnc	840
tntaanttca tncantnann cttnnantntt antnnttntct nnnnttanctc tcatccanca	900
ttntctnctn ctatttnnch accntcntcn ccntntnttc atangatana ntatnttcat	960
nntcaaacat tcnnccntnt aanttcttat aactnnnntt atntnaacnn nncatgtta	1020
tctnatchac anttacnntt cttntatata tatctcncctt ttancntngc atngnnaagt	1080
ngcnttttat ctagcnntat nnncttatcn tnttcattnn tcntannta natctgnctt	1140
cntantatac ttctcanata ngcatacatc anctcnacac anttcnnanc actggtatnn	1200
ancatancta cnnttatnct ntatctcttn tnnnncntta acanntactc antattaact	1260
ngtcatatct atcntntnat ttntatnnnn tcataccnta tntcttana tctattnatt	1320
cttantgtca ttattatacn nttntanagn ataaatttcn tacntancac tattacattc	1380
tctagcgga tntacattnt cttntncgct nannccncag tctntactt anatnatnt	1440
tntatnctac tatccnact ctntnnacnt anaatctant tncattnann nttntccctc	1500
tnnngcaata nacnnanang tcncatncna ngntgnact atagacacac tattccgatn	1560
nntntcata tctcntntca ctanntanc c	1591

<210> 1047
 <211> 1214
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1214)
 <223> n is a, c, g, or t

<400> 1047	
ttgagancnt nnnntggngn ngntntncan gggggagtag gctctagaac tagtggatcc	60
cccgggctgc aggcaatccn gcangaggag nngngcanct ttcttcgggc gtcccgantc	120
cggggggcat gctnacannn ctcggcttca accntantc gngttgcnnn nccancnta	180
gngnggnga nntncggggn nnnngnntct tnnnnnggtt ancntgngcn ncntnatnaa	240
ntcanngaan nnanancgan gngcgnnnng tnatncnnag tccatancnn ntgcnttagc	300
cagnnccnng ntntctggagn anctngnat ngcngnntnn natagnccnn ttnnngnana	360
atagacnnat cnacagggn agcngtnggt gangntngga gagnntanc atgccnnng	420
agntacntgt tnaccngat acgggaccnc gatngcnnt nncntaagc ncngnanncn	480

gcngtcnnnc ntctgngcnn nttnttttng gcncncnnt agccnatntc nattgganca 540
 agagncgntc ganantcntn canggatcnn cntngcnnga gnnngngcnn atccannnct 600
 gnnnttgnnn nctgngngnc anannacnnn ttncgngagt nnnngnnagt gntgtnnnac 660
 nattnnncnn tcgagaannn cgtnggancn atntcgnntn nntnggagtn ccggacnntc 720
 cngaangnnn cggnnncggg attnananga nntcttctnt ncnngaagn gnnancgnnt 780
 ngtgggagnt tgnnncnnta gancatnnnn naagnnannn aaaaggttgc nganacgtgc 840
 nagnntnngg cgtcatacgc nntcgtaggn cnntnctggn taggagnnnn nntnnntaan 900
 ntgatcantn ncgatcnan gtantnaacn gtntnnnnnn tgtgccgant cgnnnnggcg 960
 tnnngnggat gcncnanggg nannctgnct gnatgctann ntntntgtcn nnantcngcn 1020
 nagnnccn tncaganca tgtnacncta ncantnatac attggnatnt nagacnnnag 1080
 ctatggcgtn agcnanctan gcacatnag tcntgacann atntnagnna cngtgcnan 1140
 ngcnggnact agtcgngtgc gtccccgngc gcgnananan tgtggtnttt ntctctcta 1200
 nntcngtatc gncg 1214

<210> 1048
 <211> 1021
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1021)
 <223> n is a, c, g, or t

<400> 1048
 annatctgga gctccaccgc gggggcggcc gctctagaac tagtgatcc cccgggctgc 60
 agganttcga ncncttntnt tttgaggcct ctgacaaagc cgcaatgttt nngactagaa 120
 ataattaccc agggatgatc atgacgtact aaataccang acagagncta ngaactcatt 180
 atgaaacat tnaactgcaa tggnnntgc cnatctgna cacangtcct gtctttcat 240
 tcattctana ttattttgaa ttctttccaa atggctgtng agnttanatg gnggtagggc 300
 tgtgagccat aaatctgaag cgttganagc cttgggcctg gagagccatg aanagggaaa 360
 gaaaagangg cnngtctcga actnagccaa ggaccngatg gattgctcga ccagacaca 420
 gaagtgaagc ctgtgtncac gtgtcgccca cagactggag tttttggtgc tgaatacaac 480
 ancgtgttgc tgaaaaacca ngggtttngg tgaatanaat gttttgattt gattgctatg 540

tatgtntctac cagtgtgtgg acctttgaaa natnatnnag ntaccccccg attnntnana	600
cnaaanaann naaactcctt ctctgggggg ngcccccn gn ncccctaatt ccgcccttta	660
tanngnntnc ccccnacnn tncctatatt ctgtcttnt ctctnngnn ngcnnttat	720
catnttccga ttcattacat ttatctcngn ntgtnccecn cctnnnnncc tnccttttn	780
cgnncgntnn tncctnnnn gctnnntttt ccnaancct nnnntctgct nntctatctn	840
ccngntca ntgnntatcc ntgtcgctn cntgttnaat ntctntanct ttanctngnc	900
ttgccatcnn gtctnnttcn cnnctatca gttntttttc gnntatncnc nncctnnctc	960
gntttctnt gnantatctg tctngnnncc tttncgtan catctgctct ntttgngcan	1020
c	1021

<210> 1049
 <211> 1019
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1019)
 <223> n is a, c, g, or t

<400> 1049	
tnagcctata gngagtngta ttacagtggc ggcccgtctt agaactagtg ggntccccng	60
gctngnnggt tganaaanna gacancatnt gnccncgcnc nngnggnggg ggggannngg	120
ngnangnnng gcncttngn ngcgcaangn nagnnnagna nnnnngangn aaaancnnac	180
nttttgnnn nnggannga tacantttct aggtgnaccc ctntgtggnc ngaccggtgt	240
ttctcnacag agctnntgcc agcttantan gctgaacnct gtcactgcat gatnggtgaa	300
ngtcnacgct tncgtctnga gantggtgac tccgagctan naattgctgt ccntccgggg	360
agctctnggg agttctngng ctntnnngaa angggcccta tgataganga tntgcatact	420
nctctctgan cncactnntg nccntgccca cananagntt tttntgaaac gtgagtgtat	480
cancnctna ccnctgttc ntentcaca atgcnnagtt cctncagnat tttgggctac	540
tttgatgctc ttgccacnc nannaggnc cntgcaggng gagtggncac ccacncngga	600
cncaantttt ntgctanggg tttcattgan caaactttgg aangngntg gccntgcant	660
tanttcnna ctgggnaaga naagganaac tancntcccc ttttctgaa gantggnnnt	720
tnnatatnnc tncgccatt tgaacntncc attttnggn naaaagggac ngcaanggnc	780
aaanaatnnt tnntgtaang tggngnnncc cggnnnnta acanannaaa aatctngnc	840

ngnnetcncct nnnnggggngg gncnnnnccg ncccatnntt nttgttttta tgggncncct 900
ctttaaaacc ncnanattcn naaagncenn gnnccnttnc ccentgncncg gcnntttntt 960
nnnnnnnnnn antnnagtcc nagatnnctt tttttctctt cccnanantc gtgncnnnc 1019

<210> 1050
<211> 1019
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1019)
<223> n is a, c, g, or t

<400> 1050
tnagcctata gngagtngta ttacagtggc ggcccgtctt agaactagtg ggntccccng 60
gctngnnggt tganaaanna gacancatnt gncncgcnc nngnggngng ggggannngg 120
ngnangnnng gnccttnngn ngcgcaangn nagnnnagna nnnnnngangn aaaancnnac 180
nttttgnnnc nnggancnga tacanttctt aggtgnacce ctntgtggnc ngaccggtgt 240
ttctcnacag agctnntgcc agcttantan gctgaacnct gtcactgcat gatnggtgaa 300
ngtcnacgt tncgtctnga gantggtgac tccgagctan naattgctgt ccentccggg 360
agctctnggg agttctngng ctntnnngaa angggcccta tgataganga tntgcatact 420
nctctctgan cncactnntg ncccntgcc cananagntt tttntgaaac gtgagtgtat 480
cancncctna ccnctgttc ntctcacia atgcnnagtt cctncagnat tttgggctac 540
tttgatgctc ttgccacnc nannaggnc cntgcaggng gagtggncac ccacncngga 600
cncaantttt ntgctanggg tttcattgan caaactttgg aangngnntg gccntgcant 660
tanttcenna ctgggnaaga naagganaac tancntcccc tttctntgaa gantggnnnt 720
tnnatatnnc tncgcgcat tgaacntncn attttnnggn naaaaggga ngcaanggnc 780
aaanaatnnt tnntgtaang tggngnnncn cggnnnnnta acanannaaa aatctngnnc 840
ngnnetcncct nnnnggggngg gncnnnnccg ncccatnntt nttgttttta tgggncncct 900
ctttaaaacc ncnanattcn naaagncenn gnnccnttnc ccentgncncg gcnntttntt 960
nnnnnnnnnn antnnagtcc nagatnnctt tttttctctt cccnanantc gtgncnnnc 1019

<210> 1051
 <211> 1055
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1055)
 <223> n is a, c, g, or t

<400> 1051
 ttgaaaacat ctggagctcc accgcggggg cggccgctct agaactagtg gatcccccgg 60
 gctgcaggaa ttcgncanga tgcntttcgn taccgncna ctgganggn nacnnngnnc 120
 agnnnccttc ntatantgnt tnntantaaa ggnntanatg agtnctttnn cntnatatac 180
 ctca nggtac acnctnnact cccagacatt ntnacttctg cgttttntcn nttgaantat 240
 ntgctatng ctttcgaant tatgctacga cntannaaca gacnactgc actnntttat 300
 ntnacaaacc nnnatccgng nnnntatcnt gcnttttnng gnttacctnc ancngcctct 360
 ttatattctg nccctcacac tgcannngtn nanntcttga nactggncgg cncntatntg 420
 nangctctgg aangnncatc nnncnatca aatnanatcc cntnnntant ccnaagnntt 480
 tntccttnna anacnatagc acnccttttn ccgntggaag tttntngaaa aaaattncct 540
 tncnnnagnt nttanaaacc tntncnnaaa tttnttggt ntngnttnna attnnnaacc 600
 ncctttaatt acnngntntc ttanatttna ccgngntttt ttntaaacca ttttgantnt 660
 cttntgggta aaattccttt ntccgnaaaa cnccttttn taaantnaan tggnnnantt 720
 tcttnaanna aaacacaann tttntntttt ttnggggggn nnnncnncn aaccanact 780
 cttnaanttt ttttnccttn aaacnaaana attcttttn ttnctnnta tntntttnt 840
 tnantttaaa tttncctnt ntttncctt ttntattctn cttnactna atatgtntc 900
 ntncntcnn ttatctnnc nccnattttt nntctccct nttntcttn cntatanntt 960
 ntngnctct gtcttantn tnantttct ttnncangct ttttntctc antctnatct 1020
 nccnncnac tnatcttna nncnatnnn nctct 1055

<210> 1052
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1052
 ttgagcctat nnggagcncg catnncngng gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga gntaaggctg agaagncnga tactaannng aaaaancctg tgccangang 120
 gctgannctg gcnagaaggc taaanagggtg gaaanggtga cnaangttan gaagggnaag 180
 cccactgca gccgaaatcc tgtcctggtc agaggaattg ncagatatcc cccatcagcc 240
 atgtactcca gaaaggcctt gtacaagaga aagtnttcag cagctaaanc caaggctcga 300
 aagaaaaaga aggttcgtgt tcttgctact gtcacaaaac cagttggtgg agacaagaat 360
 ggtgnaccgc agtgggtcaac ttcgcaaant gcctaggtat taccctactg gaagatgtgc 420
 ctcgaaacct gttgagtcac gcaaaaaacc cttcagtaag catgtgagga agctgcgtgc 480
 cagcattcac tcttgggacc atcctgatat tcttacttgg gcgccacaaa ngcaangang 540
 tcgntttcct tnaancagct gggcagnggc ttggttactt gggactgggn cctttatccc 600
 tcaatcgagt tctttgngga naacacacca naaaattgnt atttgccncc tncacccaaa 660
 aatcgntttt caggnggggg ngnaaaatnc ccanaanatt tttacttgan cctttacttt 720
 aaanaaanaa aaaaacctgg gttnaaacc canaccccn gggngggcgg anatnnttcg 780
 accccgggg ngngngggna antttcccg gatttcccn gccncgcnc cangggtnca 840
 ntccaaaaaa agcttgggg gcctncnaaa aattntngng gaannaaaan aaaaacgtnt 900
 tcctttaang tttccanggg gnttcccttc ccctnccggg gtttngcttt ccccaaaaag 960
 gggaantttt ttctcncaa aaggaggng tnn 993

<210> 1053
 <211> 964
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(964)
 <223> n is a, c, g, or t

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<400> 1053
ttnannacaa nctggagctc caccgcgggt ggcggccgct ctagaactag tggatccccc      60
gggctgcagg ccagatttcc ttttctgttt ttggattgct ggcagcttaa gggccaaaga      120
gggtggcat agtgtagtt gctcagtgg gatggacagg gaagcctggt gtactgcagt      180
ccatggggtc acaaagaatc agacacaact gaactcaatt gaactgtgtc tctttacaac      240
ctgatagact gtagcccacc atgctcctct ggccctgaaa ttctccaggt aagaatactg      300
gagtggggtt ccatttcctt ctccagagga tcttctgac ccagggatca aaccaggtc      360
tccctcattg caggcagatt ctttaccatc tgagccacaa ggaagccca aaatggttgg      420
caggcaggct gaaaacacca cagacatttc ttgagtttat gtgcctttta gtgtaaaggg      480
tcagaggaaa gagagtcatt ttgagagagc aaaatgactt tttcttttta tcttctact      540
ctcttctga agtgccattt gagactgcag taaggtaagg gaaagaatgc tttccttcat      600
gaaaagaggc aggggatcaa attgatgtgt aacttggcct aatgaaggac tcccacgccg      660
attgtggntg acttgccctgc ctgcacangt ggtggaggna acgatgtggt ttaaccgngg      720
tgaactctga taataancgg ctgganccga aatcccgccg ggaaagcctg ggtctncctc      780
taaccttaat ttgggggcct ccanaactg gnccaggnaa ttgggcttcn cgccgggttc      840
aaaaagncac cgnganccaa aaacttttga angggtttga aaaacctttt tggncaaac      900
cttgnaaggg ganggccctt tccccaaan ccttgttgna acccnccaag ggaaanccca      960
nggn                                                                    964
  
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<210> 1054
<211> 911
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(911)
<223> n is a, c, g, or t

<400> 1054
ttgancanag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggga agaactctga tgcagaggtt gcaccttttc ccagatgaag atataccagn 120
agatattctt aagaatttaa cagaagagct tcctcaacca cgaaaagtgc ccagacgtct 180
agatgagtac acacaagaag aaatagaggc tttcccaaga gtttggtctc cacctgagga 240
ttatcggtcg taggaggaag aaaatttcag aaaataacgg tgtggtgctt gaaactcctt 300
cctcagggca ggatgaagca atagctgcct tctggaagga agcctgctct gggggctgaa 360
agtttgtggg gaaaggctcg gaaggggtat cccttcatta ggaaattgca gtangatgtc 420
attttataga attgntttat tgtatagtgc tatttgaatg ttggaaatga taagaataaa 480
actgcgcctt acttcaaaaa aaaaaaaaaa aaaaaacctt gggggggggc ccggccccna 540
atttccttnt angggagntn nntannnann nnnnggaang naaagantgc tttntttntt 600
gannnnncngc ctgggntnaa ntnnnnctnt nnnntgncct nggganngac nncnncnncn 660
ttggggttgn ctngccttnc nncctnnnnn gnggnnggaa ccatggncnn ncnngnnnnn 720
ncnntngnnn nnnnngnnng gccnnnnann cnnenggnnn ncnnnnnnnn ncnnnnannn 780
naattngnnn gnnnnnnnnn nnnnnnnnnn nnnngnnnt nnnccnnnnn ncnnnnnnnn 840
cnnnnnnnnn nnnnttnnng gggnnnnnnn nnnnnnnnnn nnnnnnnntt nnnnnnnnnn 900
gncccccccc c 911

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<210> 1055
<211> 1035
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1035)
<223> n is a, c, g, or t

<400> 1055
aaaanctgga agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60

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caggaaattc gatatcaagc ttatcgatac cgctcgacctc gaggggggggc ccggtaccca	120
attcgccta tagtgagtcg tattacannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnnn	300
nnnnnnnnnn tnnnnnnnnn nnnnnnnnt nnnnnnnnt nnnnnnnnnn nnnntnnnnn	360
nnnnnnnnnn nnnnnnnnnn nnnnncnnnn nnnnnnnnnn nnnntnnnnn nnnnnnnnnn	420
nnntcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnann nnnnnntnnn	480
nnnnnnnnnn nnnnnntnnc nnnnnnnnnc nttnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
tnnntnnnnn nnnnnnnnnn nnnnnnnnnn annnnnnnnn nnnnnnnnnn nnnnctnnn	600
ttnnnnnann ntnnntnnn annnnnnnnn ntntntnnn nnnnnnnnnn ntnnnnnnnt	660
nnnnntnnnt nnnntnnnnn nnnnnnnnnn tnnnnnnnnn nnnnnnnnnn nnnnnnttn	720
nnnnnnnnnn tntnnnttt cncnnnnnnn nnnnnnnnac nncnnnnnnn tttatnnntc	780
ntnnnnnnnt nnnnnnnnnn nnannnttnt nnnntnnnnn nnnnnnnnnn nnnnnnnann	840
nnnnnnnnnn nncnnnnnt nnnnatnnnn nncnnnnnnn nncnnnnnt nntnnntna	900
tnnntnnnnn nncnnnnnnn nnnnnntnnn nnnntnnnn atntntntnn nantcnnnn	960
agcnnntnn nntnnnnnnn ntntnnann nntctnnan nncnnntnnn nnnnnnccn	1020
cnnnnnnnnn nnncg	1035

<210> 1056
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1056	
nncaaanctg gagctccccg cgggtggcggc cgctctagaa ctagtggtac ccccgggctg	60
caggaaattcg gcacgaggag aggtgcaact ttcttcggtc gtcccgaatc cgggttcac	120
cgacaccagc cgcctccacc atgccgccta agttcgacct caacgagata aaatgtacct	180
gaggtgcacc ggtggggaag tcggtgccac gtctgccctg gcccccaaga tcggccctct	240
gggtctgtct ccaaaaaagg tcggtgatga catcgccaag gcaactggtg attggaagg	300
tctgaggatt acagtgaac tgaccattca gaacagacaa gccagattg aggtggtacc	360

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ttctgcttct gctgatcat caaagccctc aaggaaccac caagggacag aaagaagcag 420
aaaaacatta agcacagtgg aaacattact tttgatgaga tcgtcaacat tgccggcaga 480
tgccgcatcg gtctctagct agagaacttt ctgggaacca ttaaaagaga tcctggggac 540
cgccagtctg tgggctgcat gttgatggcc gccacctcat gacatcattg atgatatcaa 600
cagtggcgca atggaatgcc cgctagttaa gactgcaaag gaaaataaan ggaccatttg 660
acaccaaaaa aaaaaaaaaa actngngggg gggccgggnc ccaatttcnc ctttagggg 720
ggnnnnnnnn tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn c 981

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<210> 1057
<211> 918
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(918)
<223> n is a, c, g, or t

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<400> 1057
acaaaactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggaattc ggcacgaggg ctgcctgtta caataatcag caggtgttca aggggggtgt 120
gaagattcna aaagggcaag cggtcaccct gatgatggat gccaccaaca tgccagctgt 180
aaaagccata atacaccagt acatggaaga gatttatcac agaattccca actctgaccc 240
ctgttccact aaaacacagc agatcatctc caccatcagg acacagaatc tccccaaactg 300
tcagctggtc tcgcgagacc actactcgcc catctacctg tcgttcgtca tgctcctggc 360
ggccctgagc tggcagtacc tgagcaccct gtcccaggtc acagaggact atgttcagac 420
cggggagcac tgactggctc ggtctggaga ctgaacgccc ctctcccaa gccctatct 480
gggaaacaga ctgaccttct cttcagggat ggatgtgggc tccttctctt ttttccocta 540
ctgtnttaat cctcaaaga gtactgtggg cctggacctt tanaaactgt gacctgtggt 600
ggagaaaaag ataggattaa agggaaagga cagctcagcc acctgtactc acctgtgcgg 660

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ggtgactgac gcccgaaagt tcacggntgc catcaaggaa agggctgcat ccggggcttg 720
 nagaggaaga tcatagtgtg aatacagggc tanagttaca antaaatgta tttaatgccg 780
 aaccaaaaaa aaaaaaaaaa aacctngggg gggggggcccg ggnccaattt ncccccttat 840
 nggggggngn tttnaaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
 nnnnnnnnnn nnnnnnnn 918

<210> 1058
 <211> 1071
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1071)
 <223> n is a, c, g, or t

<400> 1058
 ttgagncctt ntagtgnggt cgtanttaca gtggngggccg ctctagaact agtggatccc 60
 ccgggctgna ggaaattcgg caccaggaat nntntatct gtgatgggtg cnngaagacc 120
 gngnntgtct tgccanaatg nnttanatan ancaaanntg tnnctgcncn tacangnaa 180
 tacntanctt ntgggcnag ggggagtga tncgngnga antcncctt gncanctta 240
 ntgatcangt gcnanncacn nntannagn ccatgatent cctgnccggg actcnggtgg 300
 atnnnangnc nnnntgagge cancgannng anagcngnct naagcacttt atncaanctc 360
 tctggggctg tggntatgcn tntcatnatt ggtattacgn cccgntcttg cnccttngn 420
 ttncctngta nanncaccta ccaggnnngg aagacnagtc ngnattagnt ngnttcnggt 480
 nggnaatcnn tgatatcttn nntnggnna agggcgctct cccnncattt ttgntnnttn 540
 annactactn gagnacnct ntaactnntt atttttttaa ttttccntct tntncaacc 600
 cttgcnttgg ncagcccttc ncntctantn tntnatnct ttttntgga tcctcanntt 660
 nttttnnca tatnntgcnn cgncncttc ttentnnan ctngccantn nntntcttt 720
 ttngnntnan tncgttnacn ccctctnnnn atattnctna angggntnn nggttngnt 780
 nttntttatt tatanangnn tcngngnntt ntanntannn cccnannnt cnataagaat 840
 ccnntgatc tntcagnnan ctctcgtttc ctcttngnnn nccccncaa tagtnnntna 900
 tncnatntag ngncnngnan cattgtcnct tnnngtncct tngtccntc aacnatgatn 960
 gtctcnngn nnatntnta tctntccctn tnanaattan nntagnagat ncnntntcg 1020
 nnncaentaa taactngatg tngctcctag gatttncctt tgngcncnctnc g 1071

<210> 1059
 <211> 1071
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1071)
 <223> n is a, c, g, or t

<400> 1059
 ttgagncctt ntagtgnggt cgtanttaca gtggngggccg ctctagaact agtggatccc 60
 ccgggctgna ggaaattcgg caccaggaat nntntatct gtgatggtgg cnngaagacc 120
 gngnntgtct tgccanaatg nnttanatan ancaaanntg tnnctgcncn tacangnaa 180
 tacntanctt ntgggccnag ggggagtgna tncgngnga antcncctt gcncanctta 240
 ntgatcangt gcnanncacn nntannagn ccatgatcnt cctgnccggg actcnggtgg 300
 atnnnangnc nnnntgaggc caccgannng anagcngct naagcacttt atncaanctc 360
 tctggggctg tggntatgcn tntcatnatt ggtattacgn cccgntcttg cnccttnngn 420
 ttncctngta nanncaccta ccaggnnngg aagacnagtc ngnattagnt ngnttcnggt 480
 nggnaatcnn tgatattttt nntnggnna agggcgctct ccnncattt ttgntnnttn 540
 annactactn gagnacnct ntaactnntt atttttttaa ttttcctct tntncaacc 600
 cttgcnttgg ncagcccttc nentctantn tntnattnct ttttnntgga tcctcanntt 660
 nttttnnca tatnntgcnn cgnccncttc ttctnnnnan ctngccantn nntntcttt 720
 ttngnntnan tncgttnacn ccctctnnnn atatnctna anggggntnn nggttngnt 780
 nttntttatt tatanangnn tcngngnntt ntanntannn ccnannnnt cnataagaat 840
 ccnntgatc tntcagnnan ctctcgtttc ctcttngnnn nccccncaa tagtnntna 900
 tncnatntag ngncnngnan cattgtcnc tnnngtncct tngtcctc aacnatgatn 960
 gtctcnnggn nnatntnta tctntccctn tnanaattan nntagnagat ncnnntntcg 1020
 nnncacntaa taactngatg tngctcctag gatttcnctt tgngcncnc g 1071

<210> 1060
 <211> 978
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(978)
 <223> n is a, c, g, or t

<400> 1060
 ttnaaaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcacga gggcggcgcc cagagccggn tcngcgcgtn nactgcccag 120
 agtccgcggc cgnngcgccc cgagaagcca agcanccatg gcctatcaca gnttcctggt 180
 ggagcccatc agctgccacg cctggaacaa ggaccgcacc cagatcgnta tctgccccaa 240
 caaccacgag gtgcacatnt atganaagag cgggaacaag tgggtccagg tgcacgaact 300
 caaggagcac aacgggcagg tgacaggcat tgactgggcc ccagatagta accgtatcgt 360
 gacctgtggc acagaccgca acgcctacgt ntggacnctg aagggccgca cgtggaagcc 420
 cacgcttgtc atcctgcgca tcaaccgcgc cgttcgntgt gtgcgctggg cccccaatga 480
 naaaaagtgc gntgtgggca gtggcttccc gtgtnatctc catctgntat ttcnagcagg 540
 aaaatgactg gngggngngc aagcacatna agaaagccca ttccgttcca ccgtcctaag 600
 cttggacttg gcaccccaac agngtgcttc ctggccgccc gnttctgna nttnaaatgc 660
 cggatntttt cagcctacat taaggaggng ggnggagngg ccagcacccc accccgnggg 720
 ggttccaaaa agccgttccg gggaaacttga tgnttcaaata nccaacaata accttgcggt 780
 tggggngcat ggggntttgg ttttttnggc caaacgggaa ntnntgtaan ccttggggtn 840
 aaccnccaaa aagnaccng ggggccttgg gtttgatgct tgaanaaaaa aaaagggccg 900
 nnnngnaaan ttttggcctt ttgaaaaccc tttncggttg gttggccggt aacctttttt 960
 taaangggga aggaggnt 978

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<210> 1061
<211> 959
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(959)
<223> n is a, c, g, or t

<400> 1061
ttnaancncn atctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc 60
gggctgcagg aattcggcac gagggtttta taaatttaaat atatttatca agccaaatgt 120
gcagatgcta actggacgct ctggagaagt gggcccaggg acgcccnaacc ctgttctctn 180
ttcagcagtg ggaaggccac atatttcagt ggccacagcc acaggaagct cagattctct 240
ggctaaaggt aacactttgc cctcctgtgc tctctttanc ttcccgccac ccccaggtag 300
ggggcgagaa tggcactgga aaggcctggc cctaaagtat agttcttana gcaaggggag 360
cttanacctc aggcgcccc caggaggcct tgagactggg cagaaggggt ctggttgcta 420
gagcctgtgt gcaaaggggt gccagcagcc cccctgagct agtgctggga ggactaatgg 480
tggggggggg ggccctgntac tcccctnagt cccctcctcc ntgttgacat ntggggcttt 540
gaccctttnt tttttaatct acttttgcta aaaagcnttt aataataata ataangggac 600
aaaatgcaaa ccttgtttcc ctncctttt gggcttntng gaatgtcatc acctccantt 660
tgttggggtt gtttccactt gttaataaag cttttgaaac cgtnaaaaaa aaaaaaaaaa 720
aaaccttgng gggggggccc cggancccaa attncccctt aaanggaggn nnnaaaaaan 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncccc 900
cnnncenggn nnnncncnnc nnnaaanggn nnnttntnnc nnnnnaaaaa nnnngnnnn 959

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<210> 1062
<211> 968
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(968)
<223> n is a, c, g, or t

<400> 1062
ttnaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccg 60

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ctgcaggggtg aanaccaccg ntnnnnctaa gccanaatgg gaaaggngaa naccnnatc	120
canatcnntg tcattgggca cgtagattca nggaagtcta ccacgactgg ccatctgac	180
tacaaatgtg gcgggatcga catagagaac aattgaaaag ttcgagaagg aggctgccga	240
gatgggaaag ggctccttca aatatgcctg ggtcttgac aaacttaaag ctgaacgtga	300
gcgtgggtatc accattgata tctccctgng naaatttgag accancaagn actatgttac	360
catcattgat gccccaggac acagagactt natcaaaaac atgattacan gcacatccca	420
ggctgactgt gctgtcctga tcgttgctgc tgggtgtagga gaatttgaag ccnnntctc	480
caagaacggg canaccctg agcatgccct ttnggcttac accntgggtg ngaaacaact	540
aattgttggc ggtaacnaaa tggattncac tgagccacce tatagccaga agagatccca	600
tganattgtt aangaagtca gcacctatat taaagaaaat tgggctcanc cccgacacag	660
tagcatttgt gccaatcttct ggggtgggaat tgtgccaacc atgctagaaa ccaagtgcta	720
atatgccatg ggtcaagggg atggaaagtc acccgtnang gaccggcnat gccagtggga	780
accacccct gcttgaagct tntggaatgg anttntggcc anccaacttg gnccaaattg	840
aaaaaacct tgcgttttgc ctttncang gaagggctaa taaaaaattg ggggggattg	900
ggacctgggc cccttggggg tccggggggg gaaaantggg tgtttttcna aacctngng	960
tngggggg	968

<210> 1063
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

<400> 1063	
anaaccgctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggt	60
gcaggaattn gatacnaggn nnntngatnc nnattgnntg gnaggagaca cccnnncttn	120
ttcatgnnca tctnnntnng agtnnctcng tccattcttg cntnccgcat gcctctactt	180
tgactgacat tctgtgtngn aaanntgnnc aaccactgtg gggancancc ctactgangg	240
aanantgnta tangncnatn ccataacctt antgacnngg nttatnnatc nccaannota	300
cttgggtatg gnagtngact agatgtntnn taacttntga gtattnttta ttngangctt	360
ggctnacata tagacttaaa ctgtcagctt ggannngtct attncttaaa ctttgnaana	420

tatatatata ttcttgntct tccattgaat gcaaattgat agacaaagat gtacnattgc	480
tctgttgtn tttnggatta tgaacgaaat ggttgtagacc aatttgngg aagggacaca	540
caccaantcc tggggatggn tatgtntann ntnccttgga ttggcntaaa tnnttganag	600
ttcccnttcc cattnacact cccatnatgc tttaaannaa aaaaaaaaaa aananntnng	660
gngggggggg cccctgacc ccanattttg gacttttntt ggagngcttg ttttaanaan	720
ttggngnaaa ntntntntn nttctttttt gggnggaanc cntncttcc cttttnttcc	780
gntntnaaat tttntganc ntnaaagggn gacaaagann aaaacnccnn ntntttngt	840
ttttntttt tttcncnc cccnctttn nntnttnnc nttttnncan nggnntttt	900
gggntttttt ttnnagnnt tnnnnaaatt ntntnttct ctncnaana atcncngnt	960
nnntttttt tctncngaa aanaanant	989

<210> 1064
 <211> 976
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(976)
 <223> n is a, c, g, or t

<400> 1064	
aaanctggag ctccaccgcg gtggcgccg ctctagaact agtggatccc ccgggctgca	60
ggggagggn cgaaatttga ggtgatgaac tccttcgaac tgctgtcca caccgtggaa	120
gagaagatta tcattgacaa ggaatattat tacaccaagg aggagcagtt taaacaggta	180
ttcaaggagc tggagtttct gggttggtat accacagggg ggccgcctga cccctccgac	240
atccacgtcc ataagcaggt gtgagagata attgagagcc ctctgtttct taagttgaac	300
cctatgacca agcacacaga tcttcctgtc agcgtctttg agtccgtcat agatataatc	360
aatggagagg ccaccatgct gtttgctgag ctgacctaca ctctggccac agaggaagcg	420
gaacgcattg gggtagacca cgtagcccga atgacagcaa caggcagtgg agagaactcc	480
actggttaagg gtggctgcag gggcttcctt ggaagtgggg ggngngnnn nnnnnnnnn	540
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn	600
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn	660
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn	720

nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	780
nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	840
nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	900
nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn nnnnnnnnnnnn	960
nnnnnnnnnnnn nnnnnnc	976

<210> 1065
 <211> 1078
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1078)
 <223> n is a, c, g, or t

<400> 1065	
naaaactgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggaattcga tatcaagctt atcgataccg tcgacctcga gggggggccc ggtacccaat	120
tcgccctata gtgagtcgta ttacacctga tnnnnntca acnananagn ttgttgcccta	180
nngnnatnac tnngcnnta cnnngganca tattntatnt acnnaatncc naactnnnta	240
cnnntgcacn ctanaancac atannnttca tntnacnadc annacncaag antcncactt	300
cnnnttnnt ctntngntna nncngngnaa atantcannt nntaananga tntnntttaa	360
tntnnantnc ntgtccancc nttntttttt tantnannna atctnatncn tttncanac	420
cnccttnangt ttnntnnttn anaccttggn ancatnnnan ngccttgntt nttnttnact	480
tgnnntcntn tcttgnaaca atttntant atngataann anantntct tctcatttnn	540
agnntgatg tnnncnttt tatntttttt tgnngtannn nntnattnn ntncantaan	600
ntcntngtcn ccncgntnct tntnaannn ncnaancntn ntctnnnnnn tnattgatcn	660
nnnctctntg gcnanntga cttncntann cncctnntn cacctcnngg ngctctnttt	720
nganathnac canganactg tntnacnct atatcttctt gtncncctnn ganttcncnn	780
tatanancnc nattcnatnt tntcttttn nctananatn cttacctnc tntnactnat	840
nctnatnttt ttnatacttt tattnanntn ttnatcntnc cgacctnct ntngggcctc	900
cntntaaaac tntcntatcc catntnnann atctncctnt cntnctttca attantntn	960
ntnccacctta nttncnnntn cntntcccn ncatttttna gcttccnact ncacctctn	1020
ttcttcenca tnacnanntn ncacctctn tnatctctn ncactantcc cctcccn	1078

<210> 1066
<211> 958
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(958)
<223> n is a, c, g, or t

<400> 1066
nnnnatctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg gcacgagggt aacactctgt tactggagcc agctcagctc agcggagcag 120
atataaaccg agaagggcaa actcatcgag agggcgtctt cgggaccatg gcgaatggat 180
atacatatga agattatcaa gacactgcaa aatggctttt gtctcatacc gaacagcgac 240
ctcaagtggc agtgatctgt ggttctgggt taggaggtct ggttaacaaa ttgactcaag 300
cccagacctt tgactacagt gaaataccaa actttccaga aagtacagtg ccagggtcatg 360
ctggtcgact ggtgtttggg atcttgaatg gcagagcctg tgtgatgatg cagggcaggt 420
tccacatgta tgaaggctat ccgttttggg aggtgacatt ccagtgagg gttttccggc 480
ttctgggtgt ggagacccta gtggtcacca acgcagctgg agggctcaac cccaactttg 540
aggttggcga tatcatgctg atccgtgatc acatcaacct acctggtttc agtggtgaga 600
accctcttca gagggcccaa tgaggaaagg tttggagttc gtttccctgc catgtctgat 660
gcctacgacc gggatatgag gcagaaagct cacagtacct gggaaacaaa atgggggggag 720
ccaaaagaga gttaccaggg aaaggcacc ttaccgtgga tgttgggggg ggtcccaaaa 780
ttttttgana actgnngggc anaantggtc ccctgcttg ccgggaaatc ttaagggcca 840
naatgcttg ttgncattg aaacaccagg ttccanaaa tttntatatt cnncaagaac 900
acttgnngga ctttctgagg ncnttggctt tcttcacttc catancaaaa caanggnc 958

<210> 1067
<211> 1003
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1003)
<223> n is a, c, g, or t

<400> 1067
gcctatagtg agtcgtattn cagtggcggc cgctctagaa ctagtggatc ccccggcctg 60

cagganttcg gnacgaggaa ccnctttatc ngtgatggtg nnngganaac cnnganggtc	120
tncccanaag ggntagaant ancnaaactn gnggttgtn c gacccttgat tcnaaacnnt	180
tnggnnnagg ggganannna cganangnaa nncnactnn nnantttnat gntnaantnc	240
caaacnccna ntcnnaaacc canaatcttc tngcngggaa ntcgnggggc cnaatgaang	300
gngnncccct tnaccngaa nggttaacac acttatatcc aanccccttc gnggtgtgng	360
gagagcaaan annganatgt gntgacacnc ccacgtgnta tcgcgcgcnc atatatgtgc	420
acgancacga nncatgtga gaaantttgg ttttngaaaa gcganngaga cncngtngct	480
cttatnaaag gggggcacnc ncnntgtgn tttttacaca aaaantctca ctctacncc	540
tttttataat atggccccc cacttggtt gnaaacctac tanggtcaan ngtnnttnt	600
antggtgcgg ccnaccttct tcgncnttat actancttn gacctnttgt tgagaccccc	660
naaatnggtt nattcctngg ngaanaaagc annctnctg ntaattattc ctncgaagga	720
tgggtncntc ttgttanncc canccaaaaa aaattggggt gggntttctt gggaccncca	780
cnnanggaaa naaatgangt tncnttnntg accttctttt nttcttnntg cctnccggaa	840
gcttnattaa cttttttnt ggggnacgna gnttaatcaa ccnttnnnng ngcncgatt	900
cnntttatgg agggaaaaaa ttcnttnnt aaaccctnc ccnnncntn tgttttgcac	960
aaaatnntn tgcnggcggt nttnccttt nnnncgggc ttn	1003

<210> 1068
 <211> 1003
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1003)
 <223> n is a, c, g, or t

<400> 1068	
gcctatagtg agtcgtattn cagtggcggc cgctctagaa ctagtggatc ccccggcctg	60
cagganttcg gnacgaggaa ccnctttatc ngtgatggtg nnngganaac cnnganggtc	120
tncccanaag ggntagaant ancnaaactn gnggttgtn c gacccttgat tcnaaacnnt	180
tnggnnnagg ggganannna cganangnaa nncnactnn nnantttnat gntnaantnc	240
caaacnccna ntcnnaaacc canaatcttc tngcngggaa ntcgnggggc cnaatgaang	300
gngnncccct tnaccngaa nggttaacac acttatatcc aanccccttc gnggtgtgng	360
gagagcaaan annganatgt gntgacacnc ccacgtgnta tcgcgcgcnc atatatgtgc	420

acgancacga nncatgtga gaaantttgg ttttngaaaa gcganngaga cncngtngct	480
cttatnaaag gggggcacnc ncnntgtgn tttttacaca aaaantctca ctctacnnc	540
tttttataat atggccccc n cacctgggtt gnnaacctac tanggtcaan ngtnnttnt	600
antggtgcgg ccnaccttct tcgncnttat actancttnn gacctnttgt tgagaccccc	660
naaatnggtt nattcctngg ngaanaaagc annctnctg ntaattattc ctncgaagga	720
tgggtncntc ttgttanncc canccaaaaa aaattggggg gggntttctt gggaccncca	780
cnnanggaaa naaatgangt tncnttnntg accttctttt nttcttnntg cctnccggaa	840
gcttnattaa cttttttntt ggggnacgna gnttaatcaa ccnttnnnng ngcncngatt	900
cnntttatgg agggaaaaaa ttcnttnnt aaaccctnc ccnnncntn tgttttgcac	960
aaaatnntn tgcnggcggt ntttncctt nnnccgggc ttn	1003

<210> 1069
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1069	
ttnannaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggat tttaattgac atctcacaga ggtccagaga catanaaaga cttaacccaa	120
gttaggggtg gaattagaga agccaaatac cttttttaat caagatgatt ctgaatat	180
ttatgctgat aaggaancag taaaagtgat tattaatttt ttttctctta aagtttggat	240
cctggatgca gttggaggac aagaaaaccc tgctctttca ctgtgatcac ngtnngntac	300
aatgattgt agctgataaa atttongatg ttgggttncc tccacacana ctttnccaga	360
ctgtccttna cattataaga cgaacttctt ccaacttctt tacatttggg aacttttagat	420
tnatagggtg ttgggtncct agtcttaaaa gcctggagaa cnataaaaga aattccttaa	480
aattttaacc tggtttccta agtaacagga ncggagttcc ttggaaacaa gaaaggccna	540
tnccantaga tgaagngttt ttttacaggt ntaataaaaa gtnccatgg ttaaagggaa	600
ccaaaaccgg accgataaga naanagtttt aanatttggc cgataagaat ttggaaaaat	660
gaatggcccn ttgaagaaga naatggttca ccttggnaaag gatgaccttg gntttggtt	720

gcancntgga aaaaaaaagc aaangganct tagggntgac ctcaaaanat gaaggattcc	780
naaatatgac canccttgnt aanttgggaa gnaggangaa antttccctt aggaaanntt	840
gaaaggaaaa atttnccttn aaatttgaag gaaanaaggg gggaaccntt tnnngggggg	900
gggnnnnnnn gannnaaaaa angnngggcc ttttccnaa anntnnnnng ggggggg	957

<210> 1070
 <211> 960
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(960)
 <223> n is a, c, g, or t

<400> 1070	
ttnaaaaanc tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgagga ggagaagggc accactgagg aggtctgccg catctacctg	120
aggcgcattc tccacaccta ctacaagttt gattacaagg cccatcagcg gcagcttacg	180
ccccctgagg gctcctcaaa gtctgagcaa gatcaggccg aaaatgaggg tgaggactca	240
gctgtgctga tggagagact gtgcaagtac atctatgcca aggaccgcac agaccgaatc	300
cgcacgtgtg ccatcctctg ccatactctac catcacgccc tgactcccg ctggtaccag	360
gccccgggacc tcatgctcat gagccacttg caagacaaca ttcagcatgc anaccacca	420
gtccagatcc tgtacaaccg caccatggtg cagctgggca tctgtgcctt ccgccaaggc	480
ctgaccaagg acgcgcacaa cgccctgntg gacatccagt caagcggccg ggccaaggag	540
cttttggggc anggtctgct gntgcgcaac ctgcaggagc gcaaccagga ncaggaaaag	600
gtggagcggc cccggcaggt gcccttcac ctgcacataa atctggaact ggttggaatg	660
ngtttacctg gngtnagcca ttgntctggg ganatccctt acttggnccc cccacaaaag	720
tgaccccccc cnaccatga tcaagcaagc canttncatt acccanttgn ggggtgggcca	780
aaccggaaac cntttnttg gnccccctt gattccatga agggaacatg ggggttggtt	840
gccttttaag gccctttaaa aatgggcna atnggaaaaa ccttgcccca aatttttttt	900
tnttcattgg gaaaaaaaaa aaatggggca aaaaggngg ggaaccnttt ttcccggng	960

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<210> 1071
<211> 933
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(933)
<223> n is a, c, g, or t

<400> 1071
nacaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc gcccgggctg      60
caggctggtg attcttaatg atttgaagtc cattgcttgg gaggaaattc caccacacat      120
tcatgcttat aataagctgg ggatttttgt ttgtttttgc aaatgcttgc ccctactttg      180
caacgatttt ctgttcgtaa ttctgaagaa ccaagggtggg gagcaacaca actgatggaa      240
tagtgggtata agtttataacc agaagcttaa tgacaagttt tatcaatcag aataatactt      300
ggttatggaa gtgactgatg ctaaataaat tctgagtatt ttttattaga taatttctca      360
catatagact taaactgtca gcttggtagt gtctattagt taaactttgt aaaatatata      420
tatattcttg tttttccatt gtatgcaaat tgaaagaaaa agatgtacca tttctctggt      480
gtatgttgga ttatgtagga aatgtttgtg aacaattcaa aaaaaaagat gaaaaaaatt      540
cctgnggatg ttttgngtag tatecttgcc atttgtatta atagttaaag ttcacttcca      600
aataaaaactc ccataatgct aaaaaaaaaa aaaaaaaaaa ctnnnggggg ggcccgggcc      660
ccatttcncc ntataggggg ggnnnnnnnnn naaannnnnnn nnnnnnnnnnn nnnnnnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnn                                     933

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<210> 1072
<211> 937
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(937)
<223> n is a, c, g, or t

<400> 1072
ttnnacaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg      60

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gctgcaggaa ttcggcacga ggatccccc tccatgaaag ctaagccaag gccaccngcc	120
ttcatgatgc acnacncggt gngagtcaag cccngncatc cacggctact cacttcgcn	180
nagcctcacg tatganagct gtggncaaca tcttcacaaa acatagacca agangcatta	240
cagaggctct tcacaaactc cggggacang aaagcagagg agcgagcaaa gatcatcttt	300
gccatanatc aagacctana ggagaagaca cgagccctga tggctctgan gaagagancg	360
aangacaagc ttttccagtt tctgaaactg nggaaatatt ccatcaaagt tctactgagga	420
ccagaggatg gataaggaca ttatccaaga acggacattt aaagaccaag tgagtctgta	480
agaccctgac acgcacagca tcttgctgtt gcctcgtacg tttctcttct gtcaggactc	540
cgggactcgg ggcaggagag gaacagaatg aactggtgac aaggactcca accaatttca	600
ttgcctgtgc tgggtccagtg gagaagtgtc ttngcaagg actggaaaac tcttcctgca	660
ngagaaagac tgggtgctnat gtcangaagg anaattctga accggncctt antgganaag	720
atgaccnatg gcttganaaa ggacttgccc ccaaggtctt cccggggcng gnccttgggc	780
tggaaatgga cccnggaact tttttttncc ttaaacccaa attggnaaan ntnaatnggg	840
gatgaacntt tcaagggggg aataaaaaaa aaaaaaattn ggtggggggg antgggcttt	900
acttggggnt tttttttttt tgnaaccgg gncnngn	937

<210> 1073
 <211> 977
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(977)
 <223> n is a, c, g, or t

<400> 1073	
nncanantg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggctcaa ccagtcttaa aaatgacact gattcataaa cgatcatgac cattccattt	120
atccttacta tttagaatac actatattgc ctttttactc tcaacacagg acgtattgac	180
acatgttgga attttcaaga tgccttggtc atcagtaa atctgacac agacttgaaa	240
taagctcagt atataagtac ccagttctta cctgcttgcc ttaaagggct ctcggtcgaa	300
tggccttgta tttagagatc taagtgacac ctctcatgt tctcatgtag taggtacgaa	360
atcaacttca gtgacacctc agcagtgtg gttataatga tcctatgatg aattttatca	420
agcctaattg cgagagctgc tatttagcaa atatttaa at tgctcagact gagggaaata	480

at t t t t c t g g a	g t c t t t c a a a a	a t a a a t t a c a	t t c a t t a a a a	a a a a a t a c a	t t c a t c a a c a	540
a c a a c c a c c a	c t a t a c t t t a	a g t a a c t t g a	c t g g t a g a g c	c a a c c c t g a t	a t g c a t g a a c	600
t t t t c a t t g g	g n g g c a g g c c	a t a a a g c c a c	t t g t t t c a a a	a g a a g a g t c c	t a t g a a g a c a	660
c g a t a g c a c t	a t t t t t n c t g	a a a a t g c a g g	g g t c n c t t c c	t a g c t g g t g g	a g c c t g g c g a	720
t g g c a t g t g t	a a a g c a a a a a	c c c t g t g c c c	c t c a a g g n g g	g g g g g c n c a a	a a a a a a a g g g	780
a a t g g g g a a c	c t t g g t g g t t	t c a n n a a a g n	n n a n g g g a t g	g n t t t t c c c t	t t t g g g n g g g	840
g n c n a a a t t t	n a a a n c n c c t	g g n t t g c c n n	c c t g g g g g a n	g g g a c c c c c c	n n t t n n c c t t	900
g t t t t t t t n n	c n n c c c c g t t	t n c t t t c n g g	g g n n g g g a a a	a a a a a a a a n g	g a n a n n n n g n	960
t n t g g t t t t t	n n g a a a a					977

<210> 1074
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

<400> 1074	
g c c c t a t n t g	g a g c t n c a c c
n c n g t g g c g g	c c g c t c t a g a
a c t a g t g g a t	c c c c c g g g c t
60	
g c a g g a a t t c	g g c a c g a g g g
a a n a a c t a n c	t c a g t a t c a a
a a g t g g g a t a	a g a t g a g a c g
120	
a g c c c t g g a a	t a t a c c a t t t
a c a a t c a g g a	a c t t a a c g a g
a c t c g t g c t a	a a c t t g a t g a
180	
g c t t t c t g c t	a a g c g a g a g a
c a a g t g g a g a	a a a a t c c a t a
c a a t t a a g a g	a t g c t c a g c a
240	
g g a t g c a a g a	g a t a a a a t g g
a g g a t a t t g a	g c g c c a a g t t
a g a g a a c t g a	a a a c a a a a a t
300	
t t c a g c t a t g	a a g g a a g a a a
a g g a a c a g c t	c a g t g c t g a a
a g a c a g g a a c	a a a t t a a g c a
360	
g a g a a c t a a a	t t g g a g c t t a
a a g c c a a g g a	t t t a c a a g a t
g a a t t g g c a g	g c a a t a g t g a
420	
a c a g a g g a a a	c g c t t a t t a a
a a g a a a g g c a	g a a g c t g c t t
g a a a a a a t a g	a a g a a a a g c a
480	
g a a g a a c t g	g c n g a a a c n g
a a c c t a a a t t	c a a c a g t g t a
a a a g a a a a a g	a a g a g c g a g g
540	
a a t t g c t a g a	t t g g c c c a a g
c t a c c c a a g a	g a g a a c g g a c
c t t t a t g c a a	a g c a c g g g t c
600	
g a g g a a g c c a	g t t t a c a t n n
n n a a a g a a g a	a a g g g a t a a g
t g g a t t t a a a	a a g g a a c c t c
660	
a a g t t c t t t a	n a a t c a a g c c
t a t t t a t t t g	a c a a a g a a a a
a g a a c a g a t t	t g c t g n t t t t
720	
a c c a t a a n g g	a t t t t g g g a g
g g a c c a c t t g	g g g g c c n a n a
t t a n a a g a g a	a a a a a t c t t g
780	

ggngcagtnn taaaaanacc tggganttcn gggatnttta tatggaaatt ccaaagnctc	840
ngggtttgga agaacctngg acantaaaat ttncctnttg nagtttnaat aanttnttna	900
tagannaatt tnccaangtg ggntaataaaa ttttnccttg tggngggagg naaaangaat	960
ngcagnaaac tnccncgggc cctttgttn	989

<210> 1075
 <211> 1621
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1621)
 <223> n is a, c, g, or t

<400> 1075	
ggngggggga tgngaattct tntttntnna nttntnttn nnnnnnnccc ctncctnttn	60
cgttnnttnn tngntgncc tactctatt cnntntaagg ggnggagggg ggcgagncnn	120
tnntcttgga ncnccnttg agacntnccg ttttttnnac anactgaca canggncatn	180
cntntcttcn annaacttn tngtcancna annaatgtn ancaacacan gntnggattc	240
ntnattnta ccnctcggg ggtnnnattt ttatnnagag cgngtgnttn ctcgntnctt	300
acgttnnagn natactgnat tgnnnntatt atgtgtctan agggttanta tcgcnnaggg	360
atnnancatt nnnntntnng tganncggtg gantgatgna angtganggt nnaatntnta	420
nnananagtt ctgantngtg ttnnnnnccc tnannncnaa gantntgtgn ngntntnnan	480
gatgtagngc ntngngngtg gngcnnttt gatccactgg ngngnncnng gaganntnt	540
tagnagatcn nnttntncc atnacagtat annaactnn nggnaggggn gagnnngnga	600
tcagncgana ngtnnnntg tagcncgnag nctctgcnac nnanncntga tgntntnnnn	660
tganagttgn ttggcnntnn angnnnnngg gnaggagnn gtntgtntcg atacnnnanc	720
ncngtgagat tncggnantn gnnacagnca ctagngntnt anatnnaaga tataananna	780
gngnnatgnn nntcttgagn tnnagannng cgnggagtg gnttngnatn tgnnantnna	840
ntcngntnng ntngtnntn nagnntntnc nanattnnnt tnnnggagtc ntngntnctt	900
nntnangttg cattgatang ngntaanan annatantnt gtcangantn antggagttn	960
acnaantgn antnnnttg ganacntcat nagntctnct cctgtannc tanantcgt	1020
ntcganggga nntcnnggt agtctcccg ngtnagccnt agncgtagtc tcnngtggn	1080
ntagatagta tnantngca tntntantnn tnannngnng acaatgtgat nngangnttg	1140

ntgtacgann nntgangtgn ntgcatnnct gaggnnggggt ttngnntacn catgcntnnc	1200
gnggaatnta ncncagncna ntanggnann atntantgat aatcnnaccn gtacnnatcn	1260
ntcgntatgn gcncagggca cntntatcgt gngngngnta tcggtantnn agncggtngn	1320
ggatntntgt gtgtactnng cncgcatnnn acgaggtgtg gngaangtga ntcnctgtga	1380
ggngtataga cggtcntant ganaggagac cnagnacgn gatgtntgat gntancaant	1440
nngacntnng angtatncna cgcggtatnn gatgtnangn ntcggtgann tttttcnntc	1500
tnnnatngcn cnnanntnan aanggnnaca nacacnggn gtgannnang nnnntttag	1560
atcnctgtaa cgtnncgatn tcgagttgng gntaggantc nctgnagtgt gtgtnnacgc	1620
g	1621

<210> 1076
 <211> 1621
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1621)
 <223> n is a, c, g, or t

<400> 1076	
gggnggggga tgngaattct tntttntnna nttntnttn nnnnnnnccc ctncctnttn	60
cgttnnttnn tngntgnncc tactcntatt cnntntaagg ggnggaggggt ggcgagncnn	120
tnntcttggga ncncnttgg agacntnccg ttttttnnac anacntgaca canggncatn	180
cntntcttcn annaacttn tngtcancna annaaatgt ancaacacan gntnggatc	240
ntnatntnta ccnctcggg ggtnnnatTT ttatnagag cnggtgnttn ctcgntnctt	300
acgttnnagn natactgnat tgnnnntatt atgtgtctan agggttanta tcgcnnaggg	360
atnnancatt nnnntntnng tganncggtg gantgatgna angtganggt nnaatntnta	420
nnananagtt ctgantngtg ttnnnnnccc tnannncnaa gantntgtgn ngntntnnan	480
gatgtagngc ntngngngtg gngcnnnttt gatccactgg ngngnncnng gaganntnt	540
tagnagatcn nnttntncc atnacagtat annaactnnn nggnagggn gagnnngnga	600
tcagncgana ngtnnnntg tagcncgnag nctctgcnac nnanncntga tgntntnnnn	660
tganagttgn ttggcnntnn angnnnnngg gnaggagnn gtntgtntcg atacnnnanc	720
ncngtgagat tncggnantn gnnacagnca ctagngntnt anatnnaaga tataananna	780

gngnnatgnn nntcttgagn tnnagannng cgnggagtg nnttngnatn tgnnantnna	840
ntcngntnng ntngtnnntn nagnntntnc nanattnnnt tnnnggagtc ntngntcct	900
nntnangttg cattgatang ngntaanan annatantnt gtcangantn antggagttt	960
acnaanntgn antnnntgg ganacntcat nagntctnct ccctgtannc tanantcgct	1020
ntcganggga nnntcnnggt agtctcccg ngtnagcct agncgtagtc tcnngtggn	1080
ntagatagta tnantnngca tnnntantnn tnanngnng acaatgtgat nngangnttg	1140
ntgtacgann nntgangtgn ntgcantnct gaggnnggt ttngntacn catgcntnc	1200
gnggaatnta ncncagncna ntanggnann atntantgat aatcnaccn gtacnnatcn	1260
ntcgtatgn gcncaggga cntntatcgt gngngngnta tcggtantnn agncggtngn	1320
ggatntntgt gtgtactnng cncgcatnnn acgaggtgtg gngaangtga ntcntgtga	1380
gngtataga cggctntant ganaggagac cnagnacgn gatgtntgat gntancaant	1440
nngacntnng angtatncna cgcggatnnn gatgtnangn ntcggtgann ttttcntc	1500
tnnnatngcn cnnanntnan aanggnaca nacacnggn gtgannnang nnnntttag	1560
atcctgtaa cgtncgatn tcgagttgng gntaggantc nctgnagtgt gtgtnnacgc	1620
g	1621

<210> 1077
 <211> 962
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(962)
 <223> n is a, c, g, or t

<400> 1077	
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ggctgcaggc aacaactgga aaggagcgat gatgtttaat tgttttgtcc ccccaaaagt	120
acaatctgct gcagtttatg acagataatt taacaaaata tatatatata tatatatata	180
taaattgtat ataaagtctg tctgaaacat ttcttgggag gtgttttttt tttttggggg	240
ggggggnann ctttnnaaaa accntnnaac ntttttttnn tnnnggggtt ntttntcntn	300
nannaaanac ntttttnnnn gnaaaagggg gncncacct ntnaaaangg gttngncntt	360
tttttgnaaa ntttttnaaa aaanggnant ngnncttttn atttaaaggg ggccccccnn	420
gaaaanttt ttnttnnncc ncnaaaaaaa cnttngnnnt ttnggcnnnn aaaaannnt	480

tnntnaantt ccnagggccc cnttnnaaan nccccccnn ggnttggggg ggnccccccc	540
ggnttttttna annccgggaa aaaaacnngc ccccaaantt gggtttnttt aaggggggna	600
ntttggggaa ccaattttta ttaaagggn cccccagnta ttttttttt taanccgncc	660
cccaananaa atttnttttc ctttttttaa cttttggntt tngnccnaa aacccaaagn	720
cccntnttgg gaaaaacng ggtnatntaa agaccaacc gggnttgggn taatnaaaaa	780
aaaaaggggg ggtttccttt ttttcnngg ggnnaaaac ccccccccc tttttttng	840
cccccccttt ttanccncc ntttttttna aaatttggtt taaaaaacc cggaataatt	900
ttttttccc cccttaaaaa aaaaaaagg ggcnggaaa aaantttttt cntttnttt	960
tt	962

<210> 1078
 <211> 945
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(945)
 <223> n is a, c, g, or t

<400> 1078	
ttgaaaaagc tggagctccc cgcggtggcg gccgctctag aactagtga tccccgggct	60
gcaggcggag gagcagaggt agnggatgag atanagctgc tgtgtcagcg ccgggccttg	120
gaggcctttg acctggatcc tgctcagtg ggagtcaatg nccaacccta ctccggatcc	180
ccagccaatc tggctgccta cacagnctt ctgcagcctc acgaccgant natggggctg	240
gacttgcccg angggggcca tctcaccac ggctacntgt ctgatgtnaa ncggatctca	300
nctacatcta tcttcttcna gtctatgcct tatangctga acccccaaac cggcctnatn	360
gactatnacn agntggcact cactgctcgg ntcttcaaac cacgactnat cntagctgga	420
ccagggccta tgctcgnntn attgactacg cccgcatgan agaagtgtgt gacnaggcca	480
aggcacacct nttggcagac atggcccaca tcanngcct gggggcttgc caaggggatc	540
ccctaaccct ttaagnacgc ggatattgtc accacgacca ctacangac cnttnaagg	600
gccaggtcag gactcatctt ntaccggaag ggggtgcaggc ttgngnacc caaaactggc	660
cgaaanaacc cttaaccnt ttganggacc gaatcacntt tgctgggtcc ctttccttg	720
agggggggccc ccaaaacctt gccattgggtg gaaggggctg gggncctnaa gcaggcctg	780

nnccccctt ttccggggaa gacctccctg gaaaatttna aaaaaccctt caggcccatg	840
ggttaaaggc cttgttggg accgaaggct actccctggg gggttngggg ggccctggcc	900
aaccccccta nggggngggg gnaaccctt gggccnaag ggccg	945

<210> 1079
 <211> 945
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(945)
 <223> n is a, c, g, or t

<400> 1079	
tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggt tgggtccttt tcgggacccc caccctcca ggccctctt tgcacacttc	120
ttccccctc ctgccatct tccccgact gccgtgccag gcctggaggt ggtggggtg	180
gtagaggctc agccattacc atttcacacc tgtcccagaa tctgataccc tgcagagggc	240
agngaccacg ctgttctccg aatgagagnc tttcccacaa agacctggta ttgggaacat	300
ccctctcctt gcctccactt tccaaggt aaccccatcc tgaaatctct agcctgggga	360
ggcagagacc ctgcaatcca gagaacacag cctcagaggt gctggaggag ggaccctggg	420
gcctgcatag gccactgtgg cctctgctgt cctcctggga ggcagccgtg tctccccagt	480
ggggctcgtc ccttcgtcac tcacacactt gggcctgctc cactgacatc acaagtcttc	540
tccacgtgat ggtttaaaag gaatcgtttc aacagcaaag aaatggaggt ggagacagcg	600
ctaccctgag tgacacaagg aacggcccggn tggctgacct acgtccgggc ctgcccttgt	660
tgncgtgtgg cggctttaga gtccgatggg gcanggangg cncantgtnc cancacangg	720
gtctggaagc cgttttcaan ccttttgntt nccggaaggt tcttcttncc atccgggtaa	780
cnanttctgt cctttgtccc gtcccccaaa agcctttgna ggnttntttt tttttccaaa	840
tgnggaanct tattttacia ttgaataana aacntaaggn ccnaggaaaa aaaaaaaaaa	900
aaaaaatng gggggggggn ccgggncca aatttcctt tttnt	945

<210> 1080
 <211> 911
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(911)
 <223> n is a, c, g, or t

<400> 1080
 tnnnnaanac tggagctccc cgcggtggcg gccgctctag aactagtgga tcccccgggc 60
 tgcaggaatt cggcacgagg cgacagatag ccgtaacttc tgtgctgtgc cagccgcata 120
 cctgagacaa gatggtgaag gtcggagtga acggattcgg ccgcatcggg cgcctggtca 180
 ccagggctgc ttttaattct ggcaaagtgg acatcgtcgc catcaatgac cccttcattg 240
 accttacta catggtctac atgttcagat atgattccac ccacggcaag ttcaacggca 300
 cagtcaaggc agagaacggg aagctcgtca tcaatggaaa ggccatcacc atcttcagg 360
 agcgagatcc tgccaacatc aagtggggtg atgctggtgc tgagtatgtg gtggagtcca 420
 ctgggggtctt cactaccatg gagaaggctg gggctcactt gaaggggtggc gccaaagagg 480
 tcatcatctc tgcaccttct gccgatgccc ccatgtttgt gatgggcgtg aaccacgaga 540
 agtataacaa caccctcnag attgtcagca atgcctcctg caccaccaac tgcttggtccc 600
 ccctggccaa ggtcatccat gaccactttg gcatcgtgga gggacttatg accactgtcc 660
 acgccatcac tgnaccccaa aaaactgngg atggcccctc cggaagctg tggcgtgacn 720
 gccgaagggc ttgcccaaaa tatnatccct tgcttntact ggcccttgcc aaggnccng 780
 ggcaangncc ntnccttgac ttaaanggga aacttaantg gcatgggcct ttccgggtnc 840
 ccaattacca aannggtttg gttgggggat ttgaccggc ccnctgggn aaaaccctgc 900
 ccaagtttta a 911

<210> 1081
 <211> 994
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(994)
 <223> n is a, c, g, or t

<400> 1081
 cctatctgga gctccaccgc ngtggcgggc gctctagaac tagtggatcc cccgggctgc 60

aggaattcgg cacgaggggtg aaaatttaaag ctaataacttg ctttaagtgtc tattatgtgc	120
caggcactgt cctttataaa atttgactca ttcagtgaag aatatattat ttctaagtgt	180
tgtgtgtgtt ctctgaggag gaggaggaac agagagaagg taaggctgga atcaaagggt	240
ggtgcttcaa gaaaatgact tctaaatcgg tgtttttctc atcttaattg gtgactgtat	300
tcctgccatc tatacattag agagactgag ttaacatgac ttctgttca ctgtgggttc	360
atgtcgtcag cagagagcat gcagtttggg ctccgactgt acacctgggg ttactggtct	420
cggggaagtg gtgtgaaaca gaattcatac caggagccc tataataacc atatcgggca	480
cttaaccaca tgccaggcat cctagttagt gcttcacatg cgatactttg ttcaaccttt	540
tgactgccct ttgagaatgg gaatcttcca gcccagggt caggtgagga aaaggaactc	600
agtgcacga ccaaggactt cctcctcata aggtggggag aggacctt agccccagg	660
acactgatgg acttgctttt ccccttccca gactgcttct ttcggaggaa gtgtcgctct	720
gtgatccagg agcaggctgc agccctgggc ctggncatgt tttcttttct tggngccgac	780
gcttcaccta cttactggaa ngagtcggcc aaagcttnac ttgtcctntc ctgaggggag	840
anggaggatc aangatgacc ttcaaggngt cctncttttg tcccggancc tgnaaggaac	900
tgctccccca nngngaangn ntngccaaaa ctggatgctc gggctacca aacctggaa	960
ccctccccta ccttcttggg actgccctac angg	994

<210> 1082
 <211> 1109
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1109)
 <223> n is a, c, g, or t

<400> 1082	
ttgagncnat ntggagctnc ancncagtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggaa ttngcacga ggatgncnnc tacgnnnccc aaggancttg tctngctgtg	120
ggncatgaata acannttatt cctgcanaaa gcgggcanng cttgactnca ntcncaagat	180
aacacgngcg cncacctgnc tgatntntga naccgacctc tganttaaga ctgncgccac	240
ancnactgg nttncntggc nntccnct ngctcctcaa nannancnt tccctgncaan	300
atcctngtan ttngaattca actcnaaang gnattgntng acncntttt cnatctcaga	360
cttttgnntt tnaatggcnn nntatccact gannatanta ttncctacc tcncttaac	420

ntgaatatat attntcnctg tcnnngtatt nttctctcn ctgatctaaa anacnatncn	480
tnccgatgcn taaatgtcnn tcctcatgct nnnanacctn gntttnatng gaacnaatnt	540
ttntngtnat ntccnnagnn ttncnnnnnt cactttnhaa tngaannctn tactnnnttn	600
tntttcntta ataggggaann aangcatgnn nntttaaact taattccggn nanncnttcc	660
nnnnaatcac ctaatctnga antgnnacia gtacnctaga angctngggc anaatttana	720
tncccaanac anttgngct ctaaccacnn cangtcaagg nncattannc ncncataatg	780
nacttactnn gnccaangag tcnnnnnnnc anctntacng natnacaaga tnntngnncc	840
ngtgnnnct tncnnancnt gngnntntnn tgggtcatnc aanactcnan gcgtctcttc	900
tacctctngc tnttcccttc nnnatctgnt ncanncantn atccctantn cnnngntnt	960
cttttttttt gnnantaaac ccggaactnt ctagttncac ctncncntt ncnaantaaa	1020
nntttcanta actctcnttt canctcannn gnnctttng cnahtcntg tcnacncnta	1080
ttattcccn tncncnagtt ttcnntccn	1109

<210> 1083
 <211> 997
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(997)
 <223> n is a, c, g, or t

<400> 1083	
gccctatann gaggcgnatn acagtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggg tcatgttgag cctggagttt gattacatgt gccaatatga	120
ctatgttgag gtccgtgacg gggacagcag cgacagccag atcatcaagc gtttctgtgg	180
caatgagcgg ccagctccca tccgaagcac gggctcctca ctccacatcc tcttccactc	240
agatggctcc aagaacttcg atggcttcca tgccatcttt gaggagatca cagcgngttc	300
ctcgnccct tgtttccacg atggcaattg cctncttgac agcaccggat cttacaagtg	360
tgcttgctg gcgggctaca ccgggaagca ctgtgaaaat ctncctgaag aaagaaactg	420
ctcanaccct ggggggcccag tcaatgggta caagaaaatt acaggaggcc ctgggcttat	480
ccatgggcac tatgcaaaaa tcggcaccgn cctgaccttc ttttgtaaca gtcctatgt	540
tctcagtggg aatgagatga gaacttgcca ccataatgna nagtggtcnn ggaaacaagn	600

ccnatctngn ataaaagcct gccgngnaac caaagaatct ncagacctgg gtggagacng	660
aaagttcttt ccaantgccca gggttactcc aaggggagaa cnnccnttta caatcagnnt	720
nttactcatt nagcccttct acnananacan naaaactgcn nggatgcccn cntacccaaa	780
gaaangccan tnttcttttc ccttttggga agaaccggc ccgcnctngn gttcccaaac	840
atnttgcnn cccccnntt antccangta ccnaggtgct ntctatcacc ccttttttta	900
ttcngcccga ccttggggca nctaancncc cgnanggacc attnttttta ngggaactng	960
gtnaanatgg ganangcgtc cnttncccc cataccc	997

<210> 1084

<211> 1012

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(1012)

<223> n is a, c, g, or t

<400> 1084

tnagncctat agtgnngtcg tattacagtg gcggnccgct ctanaactag tggatcccc	60
ggcctgcagg aattcggcac gaggatggca cgtccccagt ggtggggatg tgccgcgctt	120
cctgantaan tggaattggn agnagtgnct gcccnntnnn gnntttntn ggnaaaaagg	180
tnncnccnt tnnnatnaan nntttncng nnnnnaaann nnnngggng gatttnnnng	240
nngntttcca agggnaggn ccttttttn nggannttg nacncttgn agaanncagc	300
ctgtgtantt aaccggtggg aagncttng ngttgngcat tcgtncctgn gcactatatt	360
tgcgctgcg ctatgngcac aanagagcct gtgncgttn aggcgcctgt ntttcanac	420
ccannttgn gacancaagt gcncnacang ntntcagggn tngngtgtn cangancccc	480
ctctatatat gnntttgcgn gcgcnctgga nnaccacac ccctatagcn ggngtgatan	540
gcgctgctnn tancaganna gggncncca gtgtaanntc tttgaaggng anccnccctc	600
cnntctaacn ttncctnnt gtagagngcg cggtaggat tccnaaagag gcanaaannc	660
ntgnngctng gttngganaa tcntctgnt ncnntcgntn cttattnang tgnccntnnn	720
gccctcnttn aatcananna tnntntnntt aacnncttt aaccanctnn gttatcttng	780
ngttcctggt tnantntct ataaaantcn tnntnctag ngaaanaaaa atgngnnaga	840
aacnaccggt nnagnncngc cttnttttct nttnccttng cnaaagtanc tnncccttct	900
tnngggacgg aannancctn ttctttctc ctnttttttn ctannngtaa gtctatatta	960

aagcccnenn nccttcctan accnnntcca tgctcgccaan atnacacaac cg 1012

<210> 1085
<211> 1012
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1012)
<223> n is a, c, g, or t

<400> 1085
tnagnccctat agtgngnctcg tattacagtg gcggncgcgt ctanaactag tggatccccc 60
ggcctgcagg aattcggcac gaggatggca cgtccccagt ggtgggggatg tgccgcgctt 120
cctgantaan tggaattggn agnagtgnct gcccnntnnn gnntttntn ggnaaaaagg 180
tnnncncnt tnnnatnaan nntttncng nnnnnaaann nnnngggng gatttnnnng 240
nngntttcca aggggnagggn ccttttttn nggannttg nacncttgn agaanncagc 300
ctgtgtantt aaccggtggg aagncttng nggtgngcat tcgtnccttgn gcactatatt 360
tgcgccctgcg ctatgngcac aanagagcct gtgncgttn aggcgcctgt nttttcanac 420
ccanntntgn gacancaagt gcncnacang ntntcaggg tngnggtgn canganccc 480
ctctatatat gnntttgcgn gcgncntgga nnaccacac ccctatagcn ggngtgatan 540
gcgctgctnn tancaganna gggncncca gtgtaanntc tttgaaggng anccnctc 600
cnntctaach ttncctnnt gtagagngcg cggaggagat tccnaaagag gcanaaann 660
ntgnngctng gttngganaa tcntctgntt ncntcgntn cttattang tgnccntnn 720
gccctcntn aatcananna tntntnttt aacnncttt aaccanctn gttatcttng 780
ngttcctggt tnantntct ataaaantcn tntncntag ngaaanaaaa atgngnnaga 840
aacnaccggt nnagnncgc cttnttttct nttnccttng cnaagtanc tnncttctt 900
tnngggacgg aannacctn ttctttctc ctntttttt ctannntaa gtctatatta 960
aagcccnenn nccttcctan accnnntcca tgctcgccaan atnacacaac cg 1012

<210> 1086
 <211> 1058
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1058)
 <223> n is a, c, g, or t

<400> 1086
 ttganaant ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttnactgcna gggngnnaca nggnnnaann catcggaccc tcnntanggg 120
 actggtggan ctnaactctc tgngangtgn cagattggna ctcttctnnc tanacatgta 180
 tancntgaga nagcggntgc ggaanaacac ggcacgtgca ngcggactcc ntgttnttgc 240
 tgcaggggtgg nnaggagacg cagcgctact gcacccgaca ccggnnttgct tttccgccag 300
 gagtccttct tttacntggg catttggtgg tcaccgagcc ggcttggtac ggngtngatc 360
 aacgtggaca ccggnacgnc nattttgttc gggccnaggc nttcctccan nccntgcaac 420
 tnggatggna aaaatccatn ccanggacnc ttcaaggaaa nntccgccgn gaatnnatgt 480
 ccaatccnca accaanaatt ggccgngggt ntggcntttt cgnaancccc tnntgggnnt 540
 cctaactttt tgccggggcng gcaaaacccc naacangggg cagggnatttt gnagggnngg 600
 cntcctttcn aggggccttt nactaaggtt caattggtna acaanncccc tttnttttta 660
 tcaaaaaaat ntggggaagt ggccggtttt tttaananan cgncnattgg nacccttgaa 720
 ggntttttng ccntttannc ncaaaaanaaa aattttccat tngggggccc cnccggnang 780
 ntaaattgaa ggttttttaa aantnnggga antnaaaaaa aattttgaan atgggaaagg 840
 ccctttttta aaaaccatta nttgnttann ttcccggggg ggnggntngc cccctaaac 900
 ttcentnecn ctngcctttt tgggggnagn ngggggnaaa aaacttggcc cggnnntnga 960
 antnanngaa acacccttng ggcccccca nngnaaaaag aaccttttcc aaaaaggggn 1020
 naaacttng cccnntttcc aaannnggn nggggant 1058

<210> 1087
 <211> 990
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(990)
 <223> n is a, c, g, or t

<400> 1087
 ttganacagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggcag gatcaagcga ttcctnccaa gaaacaaaag cagaatcgtc ccatnnctca 120
 atggattcga atgaaaactg gcaataaaaat caggtacaac tccaagagaa gacattggag 180
 aagaaccaag ctgggtctat aagaagcaag ctgggtctat gagaagtggg cttaacatgt 240
 agaccacttt tttaagcagc cagatcacaa tgaaaacatc actactgtaa tgcttgcccc 300
 atgatgttat ttcctcacta tcagtctgag acccagcaat aaatataaaa cgttgcaaaa 360
 aaaaaaaaaa aannnnngggg gggggccngg ccccantncc cnttnnggg gggcngttta 420
 aaanncnnnn ngatcnncnn accnnnnnccn tannngcctc ncnnnccnat tcnttgagnn 480
 nncannnncc ctnncnctt tntttcttna nnctnnntgn nggtnttctn tnttttttna 540
 ncntttantn cnnnnnttnc agcnnntnt ttnngttnt tncnnncccta nntnnntcn 600
 ttacnnttt nctnttttnn tttnggncn tatttnttt nctngnnngn tntttnttn 660
 gattnnnnnn tncctnggn ntncnnnnnn nnntnnnncc ntctntattt gancgctccc 720
 cntcattctt nnnnnnnnct nnntntntt tntnnnnntn cnnnttntct nnnnannccc 780
 tntnccctt nnnccnntn nattnccgt nctttnggn ncnccctnnn atnnctttnn 840
 tncnnttnn nnnnctcnnt nngcttnn nnntccnan tnnctnttc cattccnnnn 900
 cccnannnnn nnnnttttt tnnntnttn tnnnatntn tnnccccctt ancntcatct 960
 nnntnnccn tntnttttn ntnggacccg 990

<210> 1088
 <211> 975
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(975)
 <223> n is a, c, g, or t

<400> 1088
 nnnaaaagct ggagctccac cgcggtggcg gccgctctag aactagtgga tccccgggc 60
 tgcaggtaaa agttgttctt cctttggctg gtaaagtaac atgtacaaca ctgattcctg 120
 ctctgtgtat caaggagaca ttgcctctgg ctgaatgaag cagggtttgt gaaaagtgt 180
 cagaaaccag aagttccctg tgctttcaca gcttttgagg cttttccttt tcacactgga 240
 gactttcttc tgtttttaat gtggctactg tgtggctcag aaatggctgc tgtgatgaaa 300
 atgctcattt gttaggaaaa agaggtagct acattctcat ttgaaagga ccatgagcta 360
 tttaaaaaaa aaacctaaga tgtggtttta tttacatgnc aggggagctc ttgatcatgt 420
 tcncattgtt ttaagataaa gcgatttttt tttcctgct tttagggtta aaaccaaaga 480
 aattttatat ttttatcatt aaaggtcact atagtgtann aaggtntgct gaaccgtagn 540
 gttagtgann cccaaagtaa tcntagtaa aagagcaata tttttctgaa gctgggatct 600
 gggtaatata gagttgctac tcaaaaatct aataaagctc ttacttcgta ttggaaatta 660
 tagaaccctt cttttttaaa taaaagccct tttttttttt aaaaaaancn ggagnggncc 720
 ttaaaattgg aaaaangcct aaaaaaaaaa tttccctgg ganttttggg aaaaaacca 780
 tcctntaaaa accttggaac ccctggnaaa ttcttttttg gccggggggcc aaaattccna 840
 aaaacntttt taaattcccn aaaatttttt ggnggggggg aaccctttgn tttttnanaa 900
 aaattttgnc cnagccnggg naaacaatcc anngggnttt ttnaaaaaa aaangggaaa 960
 ccctnntttt tgtn 975

<210> 1089
<211> 960
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(960)
<223> n is a, c, g, or t

<400> 1089
ttgaaaccgc tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggaattn ngcacgaggc antgnccgtc ncgatgttgn tgcctaanan nanccggatt 120
gccatttatg anctcctttt taangagggg gtgatggngg ccaagaagga tgttcacatg 180
cccaaccacc cggagctatc agaacaagan tgtgcccaat cttnacgtca tgaaagccat 240
gcacnctctc anntcacaga ggctacntg aatggaacac gtntgtctgg agacatttgt 300
actgggacct naccaacgta gggnatccat tatctccgtn gattacctcc acctgcccc 360
tgagatcgtg cccgccaccc tgcgccggag ccgtcctgag actggccggc caaggcccaa 420
aggtctggag ggagagcgac ctgcaagact cactcgaggg gaagccgaca gagacaccta 480
cagacgaagc gccgtgcccc ctggtgccga caagaaggcc gaggccggg ctgggtcagc 540
aactgaattc cagtttagag gcggatttgg tcgtggacgt ggtcaacca cctcaatgaa 600
gtttgaaang ggattggttt gtgttgaata aacctgtaaa cnngaagaaa aaaaaaaaaa 660
aaaaaaaaang gggggcccg gaccccaatt tncccctttt ttgggggggn nnnnttnana 720
annnnnnnnn nntnnnnnt nntnnnnnt nnnnnnnnnn tnnnnnnnnn nnnnnnnntn 780
nnnnntnnnn nnttnnnnt ntntnnnnn nnnnnnnntt nnnntntttt nnnntnnnn 840
ntnnnnnnnn nnnnnnttn tntnnnnnnn nntnnnnnnn nntnnnnnc cnnnnnttn 900
nntntnnnnn tnnnnnnnnn tntnnnnnnn ntntntntnt ntntntntnt nnnntnnnc 960

<210> 1090
<211> 1694
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1694)
<223> n is a, c, g, or t

<400> 1090
gggtngngg cnnntnaaat cnnntnnnnn nnnntcnnnn ncncccncc cctnctanc 60

nttctntttc	tttctctncc	ccccccnaa	nggnngangn	atgagtagat	tgaccnnctt	120
ttgaagncnn	cnntggagnt	gcacacngn	gnctacctt	nnctgtct	tntgtcctt	180
ntcctccan	cacaattcca	cnaatnatt	anatnttcac	attacatnan	gcnaatccnt	240
nattanactt	cnngggcctc	nttctctcac	gncttnatnc	tnctcctna	tacnnttnac	300
cgccancact	nnctnnncan	cncatactan	nccaanntnn	cactncecat	atnntgant	360
ttnatnnant	ttacatngtn	ttnnnaaatn	tttntcaca	cnttctacn	anantntttn	420
nttctntcnc	nttancatan	ntcatctant	cncnacnnt	catnttacgc	ttngttnnnc	480
nacttctatc	ttcnnctna	ttnacnntat	tctnatanch	ncnnnntnac	gtanataat	540
ctnnntttac	tnntnngnct	nttgttngcg	acaancnngn	ttctctacnn	tnttanctca	600
ctnnnaacnc	tancnnttta	nnctnntgt	ntcctant	ntaatctta	nnntnctcac	660
ttactancct	ngngntanac	atacnncttt	aaaaccctng	annnancnt	nctanaacct	720
cacntcncct	ctnnnaancn	ntncngnnn	aagnnagaan	nnaantngcn	tnttttantg	780
actgntnann	ncgannctaa	gntaanctnn	tattnnnant	nnganacaat	ntnngcgna	840
tcnaatanac	tnncttnctn	nacagggnt	ctagcaanng	cggctgntta	acacgnntgt	900
nnanantncc	annctntgan	aatnaagacn	actannntca	tnnacnntt	ngnncacnac	960
actctnttnn	nncagntncn	nnagnncct	nnctcnacn	ttnctcnann	tgtnnnanta	1020
nnnnntnttn	ngatacnncn	cnanaancn	tnnnnatcng	ctnntcnat	nnaanantna	1080
tagttantan	cnnnnnatnn	cnntggnttn	cgcananaga	nctcatntc	tcnctnngnn	1140
tanagtnttg	annnancnta	tatcncncna	tcncgacgtg	caagatannn	caannnanca	1200
angnncnnt	nctgatctca	cnnanannga	cgctnaatan	ncgtatctn	actctcattc	1260
gngntnnanc	ncatanntgc	ncntnngacn	cacnancnan	ngatnanant	nncannnttn	1320
nnnacncnan	ananttganc	acncnngnta	tactnanacn	anacagacnn	gagcgtctan	1380
attgtnatan	acgacacnnn	gatcganata	nnncncngn	ananntntcn	nncgantcac	1440
attntgttnn	acacganaca	tntaannaca	cncgtcgtga	ctgncnngtg	tcgncacgan	1500
tatcgnnana	nacnantcta	catatatgta	nacncgacnc	acgtacacnn	aagacangng	1560
nnacntgant	ncntcatatn	tcganncnan	nctaaacnaa	anganacnat	angtnacngn	1620
acnacatcna	ctattntaca	ngatatnagn	tgccgttaaa	nactcnatgt	nttnngncgn	1680
ttnatnatg	ncnc					1694

<210> 1091
 <211> 1005
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1005)
 <223> n is a, c, g, or t

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<400> 1091
ncaanatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct      60
gcaggaaatt cggcacgagg atggcacgtc ccagtggtgg ggatgtgccg tgcttcctga      120
attagtgtat tgtaggagtt gctgccccat tctgctcttc attgtgagag aggttacacc      180
cacttataat cagtattttc ctggcactaa aacagcaggg ctggtatttg ctgctgcttt      240
cccagggcag ggtcccttct tttcggcact tttgaacact tgcaagacac agccctgtta      300
tctaacgggt ggcaggcatg tgtgtctgca ctcgctcttt gccactattt tgccctgctc      360
catgccagag agccctgtcc ctgccaggcc ctgccttccc agccccaact tgggaccaaa      420
gtgcaagacg ggatcacagg ttgggggtgtc caagtgaccc ctctctatag tgcttcctgt      480
ggccaagtcg acaccagccc cctancgggg tgggatgggc ggtgcttaaa gaggaagggg      540
accaagtgtg ncaacttgcc agggacccca ccccttcctc acattcgggc ctgtgcaagt      600
gggcgtgggg attctncaaa ggggccaaan gcctgggctt ggtcgggnatt ctctgctcct      660
tgctcttata tgggncacat gcacacttct aaatgcanaa ttgctttgaa ctttaaaact      720
ggtcaanttt gggtttcgnt ttgggaccga atttaaaaaa angtttttan tngggggaaa      780
atttgggggg aaaaaacng gggnnngggg ccnggttttt tttttttttt tggggaaaaan      840
ananggnenn tttncggag gaaaccntt tttgntncna ntttttnngg gaanngncna      900
aaancnntnc nccccnnnn aaancnttg gncnggnaa tnaaaaanng gggttnnnaa      960
nnncnntngg ggggcgggn ngnttttttt gggnaccttn ggggg                               1005
  
```

<210> 1092
 <211> 1003
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1003)
 <223> n is a, c, g, or t

<400> 1092
 gccctatann gagncgtatn acagggggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgaggn cntganntat gannccnanc gngtgannca taannnanag 120
 tgactcgtgc gnntgaancc ngcncnttna gttttngnaa tgctgncttn aaananngcn 180
 ngttcanatc tagngnnaca gncngnnnaa ctnttnnaca aancttatna tntnattctg 240
 ancgccncta ttantnntgn tgnangggan gnnngagnta aatccctgtt gangaaaatt 300
 aantagatat tctntgtggt ncnanattaa caggaaggcg cgcccgatga ataggccgtt 360
 ttactctgcc acaagcgtca ancgttaatt atacacnaa ncagaangcn attttgnttt 420
 ccactnagan aaganatata cttttcnaga gacntaacng aaaattataa ccattnngca 480
 gaggnccann cttgagcacc ttgnagacna nnancctggg ctcantntcc ccacnagacc 540
 ncctatagtg nttingtnttn gannggacac caacntgntn tccnactgan cctncctnac 600
 nntacctnnc atgacggaag gggngggaggt ggnaagnca ntantgganc antgcgcngg 660
 naataattat aatantatnt tcttttttnc ancccgta ca cttngggaac ttncctanga 720
 ganaggtgcn cncncncgnc ttattccaaa nggctcncgg gaaagggngg ccncatttnc 780
 centcttccc canntttgga nggaaanccc anantcaann cgccgncnnt nnnagnaccc 840
 ggnaattntt nccccntta tntcctntag gnnnccttn cncctttccn ggngggcgnt 900
 atnttatcan ncnennaanc nntnntntgg tcncttgntc ccattgttcc ntngggngng 960
 tgggaantnn ggncnctctn ngctttggnc tcanttcact ccg 1003

<210> 1093
 <211> 1547
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1547)
 <223> n is a, c, g, or t

<400> 1093
 ggngcgcggg gngncacttt cnnntttttt natnnntnt tttncctca nnnatncttc 60
 tntccttnna nttannngta gnatcaccan ncccanccta gggggntctt ggagtnantc 120
 ttncnnttg ggnccnatan gnntcgnatt acantggtnn ccgctctnca ncgannggca 180
 anancnnacn ctatagnat tttncgcnc gatgcntgtt ttctncggn cgnctncgtn 240
 tcnnnctcc atgggggnga cnnntntcnn nttctgtatc ntttctnnn cnnccntann 300
 cngncnntc cttgacntaa tatatnnntc ncnagatant nngntcnnt ccagtnctn 360
 ctcnncnta ntatttcnt atanacccn ntngtncnt tnnattncn ttccaanncn 420
 ttntctnnn tgnncnttc tnnntctnt ncnccctatt ntncnngcn cgattnnctn 480
 cctnattatt tncnntng nctcnntatc nancnntt tnnntagan ccntnttag 540
 ccnncncanc ttncnntt gcgcnntn taggtgnnn ncgactnnt ttannntct 600
 atattcaaaa tnttntnt ttctcnaatt nntnttcan ntttctn nnnccctatt 660
 tnnctnttt nnancnttn tntctntgn atntcncatg atntctnggn ttntnnnngn 720
 nttanctnat ncnnatnnt nnatntann anntcgtag tnttccn canntntcga 780
 ngancnntn taanntnac tatntactt ctatgcnc nncggcntct nngtnannnc 840
 tccnttttt nnnctcnnt attgntngtc gcnnaanttn nnagtcaag ngantnnnc 900
 nnaancnnt ctgcctctn nnnncnca nntngataa ttnnccaca tntcnncng 960
 canaccntt gtnatggann ttagntgtat tagngatga ctgtnctn tcttctntt 1020
 ncnncnnt tggnttnc ntnnnntgn atgaagatn ccccttnc ccttntnt 1080
 ctncctctg actgtcnnn tangaccctc tcnaggnac ctntcnactn tntactnctc 1140
 cttccgttan nctncnccn cntgntnanc acctnagcan tnnactn ganttatnc 1200
 ttctntgnn tctctnctn cnnngncan tnnctcaaga cctcatant tngtantnc 1260
 cncnatntn tntctagnaa tatatgtnt ncttcanagc annctgatt anctccgtac 1320
 cnnatgngg gactntctat ntatgtctn gtntactata gnntntntca tgtactttta 1380

nttcaacana antacncnc nnnnccttat ctagnctnnt cctnagtnn gtntgttctt 1440
aagatnacc accaaagnan tctnntntcg ngattntggn nattnnntan ctctctactt 1500
taagctattn ctctctcna natacgtach tntccgntan cnntccc 1547

<210> 1094
<211> 1547
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1547)
<223> n is a, c, g, or t

<400> . 1094
gnggcgcggn gngncacttt cnnntttttt natnnntnt ttttncctca nnnatncttc 60
tntccttnna nttannngta gnaccaccan ncccanccta gggggntctt ggagtnantc 120
ttnnncnttg ggncnatan gnntcgnatt acantggttn ccgctctnca ncgannggca 180
anancnnacn ctatagngat tttcncgcnc gatgcntgtt ttcctncggn cgnctncgtn 240
tcnnncctcc atgggggnga cnnntntcnn nttctgtatc ntttncntnn cnnccntann 300
cngncennte cttgaacntaa tataatnnntc ncagatant nngntcnnt ccagtnctn 360
ctcnnnenta ntatttcnt atanacccn ntngtncnt tnnattncnn ttccaanncn 420
ttntctnnn tgnncnttc tnnntctnt ncngcctatt ntncnngcn cgattnnctn 480
cctnattatt tncncntng nctcnntatc nancccnatt tnnntagan ccnntntag 540
ccncnncanc ttncncnnt gcgcnnntn taggtgnnn ncgactnnnt ttannntct 600
atattcaaaa tnttntnt tttcnaatt nntnntcan ntttncntn nnnccctatt 660
tnnctntttt nnantnttn tntnctntgn atntncatg atntctnggn ttntnnncgn 720
nttanctnat ncnnatnnct nnatntann anntcngtag tnnntccn canntntcga 780
ngancnnntn taanntnac tatntactt ctatgcnc nncggcntct nngtnannnc 840
tcntttttt nnnctcnnt attgntngtc gcnnaanttn nnagtcaag ngantnnnc 900
nnaancnnt ctgcctctcn nnnncnca nntngataa ttnnccaca tntcncng 960
canaccntt gtnatggann ttagntgtat tagngatga ctcgtntan tctttctntt 1020
ncgncccn tggncctnnc ntnnnnntgn atgaagatnn ccccttnc cctntnnnt 1080
ctnccctctg actgtcnn tangaccctc tcnaggnac ctntcnactn tntactnctc 1140
cttcggtan nctncncn cntgntnanc acctnagcan tnnactncn ganttatnc 1200

ttctntgnnn tctctnctnc cnnngnncan tnnctcaaga cctcatant tngtantcnc	1260
cncnatntcn tntctagnaa tataatgtnt ncttcanagc annctgatt anctccgtac	1320
cnnatgngng gactntctat ntatgttctn gtntactata gnnntntntca tgtactttta	1380
nttcaacana antacnncnn nnnncttat ctagnctnnt cctnagtnn gtntgttctt	1440
aagatnacc accaaagnan tctntntctg ngattntgnn nattnnntan ctctctactt	1500
taagctattn ctctctcna natacgtacn tntccgntan cnncccc	1547

<210> 1095
 <211> 1062
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1062)
 <223> n is a, c, g, or t

<400> 1095	
tttganacng ntggagctcc nccgcggggg cggccgctct agaactagtg gatcccccg	60
gctgcaggna nnaactggaa aggnntnatn angntaatn nntngaccn cccaatggg	120
acaatctgct gcaatttatg acacnntaat atcaacnaa tatatatata cnatatatat	180
atatanatnc tntctaanna ctatnttgaa acanttatn gcanntgtn tcttttattt	240
ggggggcnnn nctnctttt tgaannacac gnnctaccct tntntnctc ctncatnct	300
ttccnatctc acnganatgn atttttcngn ntntcaann ttncnggct cnnctctnan	360
ncnannnttt ttccacattt tctctacnct cctantacc tatntcangt tcnnccttc	420
ntntcacntt ctttnnnact nncctattta atagttntt tnaattatct anctnnccaa	480
gnaaccntcn gtttccctn nntcttnaat tctcccttct acantntan ncttnnacct	540
cctttntna nnnntnnna ccttnnnntt tggnttcct nntntttcn natnatntt	600
tntcnntnc ctnatnttat aatcaacagn gtnnnataaa tnnactng nccanntccc	660
anccttgta tcttaanncc ccncnntttt tttnttnaac catcnnncn nntntcttgn	720
ttctattttt tanttgcct nccntanccc gngtactnn ttatnaanna nnncttanen	780
tttancttnt nntccctnan nattcccnnt gcctnnntt nctannntan tnnannnctn	840
nagttttctn cctntncann tctnnnaacn aantctnct acnnnnnnnt ntttctttta	900
cctntcnaa cctntcna cctttccnnc ttctaccgtc ncnnccttc acnttntgt	960

tctcttttcta ancnatctcg ttcnnetcan tcntnnccnt nttncttctt nntcanactc 1020
 ttttntttctc cntcacnanc nntctnnccat nttntntntnn cc 1062

<210> 1096
 <211> 949
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(949)
 <223> n is a, c, g, or t

<400> 1096
 ttaancacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatccccggg 60
 ctgcaggagc ttattgaatg aaaactccag agactgaaaa accaaacatg agggtagcag 120
 gtgctgcaaa gttggtgggc gctgtggcag tatttttact gacattctat gttattttctc 180
 aagtattcga aataaaaaatg gatgcaagtt taggaaatct atttgcaagg tcagcattgg 240
 atgcggttgt acgttctaca aaacctccca gatataaatg tggaatctca aaagcttgcc 300
 ctgagaagca ttttgctttt aaaatggcaa gtggagcagc caatgtgggtg ggacccaaaa 360
 tctgcctaga ggacaatgtt ttaatgagtg gtgttaagaa taatgttgga agaggaatca 420
 atgttgccctt ggtaaatggc aaaacgggag aactaataga caccagattt tttgacatgt 480
 ggggaggaaa atgtggnccc anttattgag ttctgaaggc catacaagat ggaccaatag 540
 tctaattgga acatatgatg atgggaccan ccaactcaat gatgangccc gcggctgatt 600
 gctgaatggg gagtacatct attactcatc ttggttcaaa aactgggggt cttntggggg 660
 ggaaaaggca ttaaaaacaa aagccctttt gacngcccn taaggaccat tagggcccca 720
 antaaatttg aanggatggc cctgaatttt nggaaatgga aaggatgcct ttccccaaaa 780
 ccaanactgg ccgtgganaa aaanccgaag ggggnccccc nttttccttg ttaanggggn 840
 aaagccctt nccccaaaaa acttccttg taaatntttt taaanaacnt tgcccccccn 900
 tttnggggg ngngcccttg tcccntntt ntnttttttg aaattcagn 949

<210> 1097
 <211> 969
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(969)
 <223> n is a, c, g, or t

```

<400> 1097
tnnanaaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcggcacga ggggtggcctt ctctctctcc cgccatggcg tgtgctcgtc 120
cactgatatc agtgtactcc gaaaaggggg agtcctctgg caaaaatgtc actttgcctg 180
ctgtgttcaa ggctcccatt cgacccgata ttgttaactt tgttcacacc aacttgcgca 240
aaaacaacag acagccctat gctgtcagtg aattagcagg tcatcaaacc agtgctgagt 300
cttgggggtac cggcagagct gtggctcgaa ttcccagggt tcgaggtggc gggactcacc 360
gttcCGgtca gggcgctttt ggaaacatgt gtcgtggggg ccgcatgttt gcgccaacta 420
agacctggcg acgttggcac cgcagagtga atacgacgca gaagcgatac gccatctgct 480
ctgcactggc tgctcagcc ttaccagcgc tggcatgtc taaaggtcat cgtatagagg 540
aagttcctga acttnccttg gtggtggaag ataaaagttg aaggctacaa gaagaccaag 600
gaggctgtgt ttgctttctg aagaaactta anggcctgga atgatatcaa aaaaggtcta 660
tgctttttca gcgaatgana nctggcaaaa ggcaaganga naaaccgctc nccgtatnca 720
acgcaagggg acccttgcnt catctatnat ganggacaat gggatatcatt caaggncctt 780
naaaaacatt ccctggaatt acctttgctt aaanggaagc caacctgaac anttttgnaa 840
acttggttcc tgggggggca ccgnggggaa cgttttttgn antttggaac tgaaagnngcn 900
ttttccnaaa ggttaaaaga accttttttg ggccccttgg nggtaaaaca cccctcnccc 960
ttnaanaaa

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<210> 1098
 <211> 1029
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1029)
 <223> n is a, c, g, or t

<400> 1098
 ttggaaaccg ttggactccc cgnggtggcg gccgctctag aactagtgga tcccccgggc 60
 tgcaggtaaa agttgntctt cctttggctg gtaaagtaac atgtacaaca ctgattnggn 120
 gctctgtgta tcaaggagac attgcctctg gctgaatgaa gcagggtttg tgaaaagtgc 180
 tcanaaacca gaagttccct gtgctttcac agcttttgag gcttttcctt ttcacactgg 240
 agactttctt ctgtttttta tgtggctact gtgtggctca naaatggctg ctgtgatgaa 300
 aatgctcatt tgtaggaaa aagaggtagc tacattctca ttttgaaagg accatgagct 360
 atttaaaaaa aaaacctaag atgtgggttt atttacatgt naggggagct cttgatcatg 420
 ttcacatttg ttttaagata aagcgatttt ttttttcct gcttttaggg ttaaaatcaa 480
 acacacttta cncctttatn attngaggen ncttatagtg tangtaaggg tntgctggaa 540
 ccgtantgtt annggaaccc cnanangtaa tncttattta aanggagccn tatttttttt 600
 naaacctgtg gatcttggt aantacnagn angtcngnt tantcnanaa aatttttnaat 660
 aaagcncctt aantttcnna ttggggaaaa atttataaaa annnttntt ttttaaanna 720
 aaagcccnnn nttttttttt tannaaaaaa ncagggant ngacaattaa aattttgtat 780
 natatngggc cntaananaa naaaatttac gncngggnat tttttgggga annataaacc 840
 annctattaa aanaccttg gaaaaactng gaanaaattt canttatggg gntggngggg 900
 nnntntattc tncaaaaaat cttttnttaa ntttacnata natnatcttg nanngngann 960
 aagccctntt gtctttttta ctaaatanct tttgnccaag nttngngaa naaaatattn 1020
 taannntnt 1029

<210> 1099
 <211> 1296
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1296)
 <223> n is a, c, g, or t

<400> 1099
 gncctttant tangtgnang ttcggtaatt aacnnggggg antncctnnt nttaaancctt 60
 cgtcgccttc nttcnnnatg cncctngncan gcantccctt gcacctcccn agantttctt 120
 taccctacct cannnctga cningcanttc cnannattat ntnggggtatn tcctntatgc 180
 acaanncnnn acnttactng ngtacttatt ctngcanntg atcgtaacctc ttncgcttca 240
 nttnanacca tntnnnnaan ttcctttgct cccccatttg gntanctacn ccngnnanag 300
 attntctana tannntnngt tggcccatan ctgntgttgn nctntatcnn nctcaggtct 360
 ntgagnatga naattnatnt tcgntnanna ncgntngaag tcctatcact ttangttngn 420
 naagnngnngn nctntnanc c aagnnntan nnaggcntgt nngngctgt cnttcnnann 480
 tacgntgnnn agnnnangen ctcangcccn taataagnnn anggggggtn tntgnntaaa 540
 ntcagntnga cnanntntat ntncncncn gnctnggggg ccngtantan nttnactnag 600
 gttaaaatng gnnnnggnnn nnnatangtg cctacantga nnnntgcnaa ggnnnacnnt 660
 taantatnnn gaannaaann nangngngtn gntntntaaa ctantnacat nnattnnnnn 720
 tgnnagtant tcntnnntnc nacgagtcgg gnntggngagt ntancnnnnn ntctngnang 780
 nngnnangng ntnnnnnatn ttattntntn tngngnggct nnnantaata anttannng 840
 ncatnngcnn ngggnannng ccgncctttt aggatannnn nngggccggn nncagntann 900
 ngntaatnng nntcngnnng cggannntgc anggcnggan ctannnggn tnattanacc 960
 annntgnnt ggtatcgtnn nnnntgncta ntannngcn naggggnagt ngcgcnncgn 1020
 atanatgaat ngtnggann caggagngta ntactantgc ntttancang nanntagcng 1080
 agtcnctan ntgggtngnt gntgtattat tancagtttn tnttgtgaac tcnncaagan 1140
 ancntatgca gagnaatnta ncgttntann cgtgntnnaa tncncnngng canacncng 1200
 ngtnctcnc nacgcctnnn tactgnnnac atgnantcac cgcncatant gnatcatctn 1260
 nntgatanct aganacactt gtntgntann tnaccg 1296

<210> 1100
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

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<400> 1100
gnctatctgg agctncacn cgggggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaaattc ggcacgaggc tctgtccaaa ggggttcagga agagaacatg atgggtgagcc    120
acagccctct caggattcgc tggcatctca tctgaggggtg ggagggcata ctgggtcttc    180
cgtctcctcc aagctttctt tgtctgtctc aatctcttgg cctggcccct ctctaagagg      240
ggatggcagt tatctgggct tctctctggg atggccgccca tcttttagtaa ttgagaaggt    300
attagataaa tcagctaccc cgcctagaga tatttctctt aagttttcaa aagagagctg      360
ggctgtagtt atcccaaacg tgcatttctt caaagtccag tcatcctctg gccttttctt      420
ttgtgactcc atacaaagag tcatgttctg ccccaaaggc gtccattcca agcctggact      480
tgggctcccc cgtgagaaat cttcccaaca gcttcttggc ccaagcttcc cagacctctt      540
cccttggaac ctccagcccg agtccccgtg tacacgtggg ctgtcccagg cagccagcat      600
cccttgtaag ttccctcttt ggaaatggtg tgtgggtggt caagttctgt gtctgggtgac    660
tatgaacaga cagtgactct tcctgtgacc tgtgggaagc tgtgaaanca acttctggaa      720
cgccgangag cttgtttgct ttgaaccggg gaanaaaac tgngttttga ggtttanctg      780
aaaattaagg gggaaaaaaa aaaagttnat taangtgact ngtaatngaa anctggtnnt      840
aaaaanaact ntgaaacccc caaaaaaaaa aaaaaaaaaa ntnggggggg ggggcccggg      900
nncccattnn cnttaanng ggggngnnnn nntaannnnn nnnnnnnnnn cnnnnnnnnn      960
nnnnnnnnnn ntnnnnnnnn nnnnc                                           985
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<210> 1101
<211> 1048
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1048)
<223> n is a, c, g, or t

<400> 1101
gccctatntg gagntgcac ncgggggcgg ccgctctaga actagtggat cccccgggct 60
gcaggtttgg actctgagac tgacaaaagg ggtaccatgc tgtctggcac tgcngcacnc 120
ntttgctgaa gaaaagtacc caccttgant ggtaatcccc annttcactg anccttgttg 180
ccctgnacct cactctaggn atgaaaccnn gatgccnggc tngtncataa accctattct 240
tantattccn aaggagccan tntttntnta ctgaaagcat nncnatact acctgancac 300
tantctaaga gnanannctn nataccatat nnaatattna taggcnattt tangaagcna 360
cggaangann acaagtannt cattnctgat nctnnntgta ncaacnntgt ttacatncta 420
ctgcccacan tntgnntctc ntncnttgna gggactnntc ctnanntnag nnnanngtga 480
ntcnngntnt ttttanngtt taantgcaa aggctgaat nnnnnnact gacttngntn 540
anctctagcc naanccctnc nnnntncgna nngangnccc acatagnacg ntnncttttg 600
actcgteenn ancgcttcc tnccttcncg acannannna taccctgngg ccatnccctn 660
gannggcgnt tatganngct ttngantctc tngttcctcc aactcnttct ngggagnagc 720
cntggnnatt nntnnnantt nnggtactgc aaagnntcn nctntagggc ttctnntant 780
tntctccctt nngtnccacc ntncctntng nnangnctan canngnnctn antcngggtt 840
ttaacntctc nntttncaa aangcacann nnnnctttgg nnannttgcn ctnttncatn 900
naatgtcnna attttngttt ttatatacan tccatttncg gnaaaantct tcncatggcn 960
tcnncattnc ttccatctnc tttnttcgct nnnntngnct nnnattgctn ctatacntcn 1020
ccattntgn ntnnantgtt aannnacc 1048

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<210> 1102
<211> 893
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(893)
<223> n is a, c, g, or t

<400> 1102
ncaaaactgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaattcg gcacgaggct ctgtccaaag ggttcaggaa gagaacatga tggtgagcca      120
cagccctctc aggattcgct ggcattctcat ctgaggggtg gagggcatac tgggtcttcc      180
gtctcctcca anctttcttt gnetgnetna atctctnggc ctggcccntn tntaaaaggg      240
natggcagta ntnggcntt nttttnggaa nggccgcctt nttnannant ggaaaagggn      300
taaaataann aacntcccn gcntaaaaat tttcttttaa nttttaaan aaagagnngg      360
gngtgtantt atcccaaacg ccatttnttc aaagtncagc anacctgtg gcctttntct      420
ttganactcn anacaanaga gnngtgttgt gccnnangng cgcanattnn ancccnngcn      480
ctngctcncc cncgaganan atttncnana catttttttg gcccaagntt cncaaanctt      540
ctcctgtgaa acctncancc agaccncgt gnacacgngg gtntgncnca ngcacaccan      600
atcccntgaa agncnctttt gagaaaaggg ngnggggggtg acaantgtgg gtggtggcga      660
taacaacann cgcnctcccc tgcacctgna gagctgaaaa acnctgtaca ccccaaaagc      720
ttttnttttc accganaaaa aanctggntt tngantnagc tnaaatgggg ggnaaaaaaa      780
ngttcntnng nngctgtnan gncccnntt ataaaanncc nngnccccc aaiaaaaaaa      840
aaannccngg gggggggggc ccccnnnnnn nnnttttttn nnnnnnnnnn nnn          893

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<210> 1103
<211> 893
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(893)
<223> n is a, c, g, or t

<400> 1103
ncaaaactgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaattcg gcacgaggct ctgtccaaag ggttcaggaa gagaacatga tggtgagcca      120

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cagccctctc aggattcgct ggcattctcat ctgaggggtgg gagggcatac tgggtcttcc	180
gtctcctcca anctttcttt gnetgnetna atctctnggc ctggcccntn tntaaaaggg	240
natggcagta ntnggcntt nttttnggaa nggccgcctt nttannant ggaaaaggnn	300
taaaataann aacntcccn gcntaaaaat tttcttttaa nttttaaaan aaagagnngg	360
gngtgtantt atcccaaacg ccatttnttc aaagtnacgc anacctgtg gcctttntct	420
ttganactcn anacaanaga gnngtgttgt gccnnangng cgcanattnn ancccnngcn	480
ctngctcncc cncgaganan atttncnana catttttttg gcccaagntt cncaaantt	540
ctcctgtgaa acctncancc agaccncgt gnacacgngg gtntgncnca ngcacaccan	600
atcccntgaa agncnctttt gagaaaaggg ngnggggggtg acaantgtgg gtgggtggcg	660
taacaacann cgcntcccc tgcacctgna gagctgaaaa acnctgtaca ccccaaaagc	720
ttttnttttc accganaaaa aanctggntt tngantnagc tnaaatgggg ggnaaaaaaa	780
ngttcntnng nngctgtnan gncccnntt ataaaanncc nngncccn aaaaaaaaaa	840
aaannccngg gggggggggc ccccnnnnnn nnntttttnn nnnnnnnnnn nnn	893

<210> 1104
 <211> 1098
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1098)
 <223> n is a, c, g, or t

<400> 1104	
ttganacnt ctggagctcc ccgcgggggc ggccgctcta gaactagtgg atccccggg	60
ctgcaggaat tcggnacgag gnnnnttna tgtntgnacc tggncgntgg gccnngggc	120
ntanncccn tactnggagt nntacnatnt tcttaatttg gaacttcaan agtcctaca	180
agggtnnaaa gccctaacc nnatctggnc cagggtgcc ntcnncna nctggacct	240
cacttntgac ttncatgaag gcnatcccg ctttttcttt ggggtccctt gtnggggtan	300
centccactt accacaaaaa naaagacttt gnggggaagg gcctgnacc caatcnncct	360
tnantttttt cctctnaaaa nntngttgga aaccacaatt tccattctng cnagccctn	420
gngaaggaaa annagcaagg ncttnaacna aaaaanggtt ccttttgnaa agnnacnnnn	480
agaaggtttg tttttgancn ttnnnntaaa ccattncctt tggttatttc nctgnttcc	540
nttactgggn tnattttaaa nnnctttttt antgtnggct gtaaacaact ttcccgcant	600

ttanttcnt ttcccatgaa accnttttan ttnttgctna aatnctttaa ncccatgngg	660
ganggcntnt aaanantggn nnncccctng gtgtttttan gaanaaaann aangnanacc	720
ccaaaccccc cctngccan cccatTTTTT tttttnaann aaantntan ccaatgggaa	780
atggngggnt aaaannantt nttnnctnng ccccgccan tttaaaaatn ggaaaantgg	840
ggggnaactt aaaaccaccc nccccctng ggaaaacct ttttaaact tttcccccg	900
nnggnattcc ctngngcnn tttcnngggn cnntntaaag gggntaaan caaaaaantt	960
tnccnntggt ccgtttcana attcnnntnc cctnggtnt atcaacctng gccnctnggn	1020
cgcttttgnt ntacatnnnn ncccatTTTt tttttncct cttagnccc cnntntgcc	1080
cnccccctt tgannact	1098

<210> 1105
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1105	
ttnaacacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatccccggg	60
ctgcaggaat tcggcacgag gctcagaact aaactgttag ggtgggtttt tgcgtggagg	120
acaggggtag tcttttgata ttcatttttt gatttttgag cttttctgct ctagggtacg	180
ggagatgaac tttatttaca atactttgat ttggcagggt ttcttctact tttggctgcc	240
tgnaactgtt nccatatgat gtaaaaagca ngtgtagtgt cccattatta tgtggttcgg	300
gggattttca tttgttttta aaaantaacc catgtcagct gggattagac tncctanaat	360
ctatcagtgg naaanttaca ttgaaaaaat gcctttggaa aatnaaattt canacaaaaa	420
gtgcttaaga actggtattt tttctaagt cttctattta taccaaaaag cnttaaagta	480
accantgcc cagtaccatt cttgaaaaat tcttttattt aaccgaccng tgcttatttn	540
attaaaacca gntgattcct nttaattatt acngggccgt aagntataat tattggggtn	600
aaaatacctt gnaatatngg actttctggc cagtngggga attttcactn aatttctttt	660
ggtggnggga tggttngaatt taaaanctgg aaggnggggg aaaatttgac tnntttaaaa	720
ngtggngccc cccaaaaat caanaattaa aattgggcct gggcctggna aaacctaata	780

cttacctncn naaatcttaa ccccttntta ggcttgga	naaaaagttg ggganttttg	840
gaaaanggtt ggcanacctt tccttgccn aaaaaacctt	tntttttgga aacctgggc	900
ggganttggn ttggganttt gnaaaaaaaa aatttcaaat	tggtcccccc aaacttn	957

<210> 1106
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1106		
tnnnnaaaag ctggagctcc accgcggggg cggccgctct	agaactagtg gatcccccg	60
gctgcaggnn ttncaggacn gctnnaggga gaggaagcng	ggtgtctccn annagtnenn	120
ggntgcanag gggagagagc tgacccttnt caaacccctg	ctttggggcc agccctgcgc	180
caggtgcttc acagctctta tntgccagat tttccacct	tgnggcncat ggngccccta	240
accaacatnn caagaggccg atcaccttgc cacatntgtg	cangacctgg gaccacaggc	300
gtggacagga agggctctta agccttcttt ttacanatga	aatgccagg gccagggag	360
gatnagcagt ctttgagggt taccanccg gaatactggg	agacctgaac ccagcattct	420
gactctgcat tnagtgtcg ctccatgatg cagnnggtcc	tagccccccn ctgaaatggg	480
tcccctcttc actgngtttc ccagnatnct tgctctgacc	aaaccggnga agggacacac	540
ncccaccenc aaaagatgga atcattctct taaccgtctt	tgtcccaact gcctgccnnt	600
ccaaaccctg ncccctgnnc cctgacctg ctggntgggg	aaagaggctc acgtggggcc	660
aggctgagca nnaatgacc atgtcaagct gtcagactct	gngaaantan tgcattgtac	720
nggcaaccctg gntccctga tgnccgntg attttgga	cn taangnggac atgaaaatgc	780
cacaattggg ggnatgggag ggccncccc ccccntggg	tgtatgncna tggncanggg	840
gtttnggtaa ctttttgggt tttngggaat ttgaaangcc	caaaaanaac ccgggttgnt	900
ttcttttigna aaaaaaaaaa aaaaaaaaaa tttanngggg	gggggcccgn ccccgat	957

<210> 1107
 <211> 995
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(995)
 <223> n is a, c, g, or t

<400> 1107
 ttggaacc agttggagct ccccgcgggg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcaggc aggatcnagn gaggccaggt tgcanntttt nnnnaangan gatnnannnn 120
 ggnatggntt caaaaganaa ctggcantac natctggtac aactccanga gaagacattg 180
 gagaagaacc aagctgggtc tataagaagc aagctgggtc tatgagaagt gnnentaacg 240
 ngtatnnnat nttnaagac aaccatatca caatgaaacc ntgactantg taangctngn 300
 tccatgangn tntntntca ctatcagnct gagaccnagg aatanatata aaacgntgca 360
 aaaaaaaaaa aaaaanatng gggggggggc cgnntcnan tcgaactng ggggtgatgg 420
 nntaaaggaa aacnntttcn tanatngttg ntcttcnann gtttttaaac tnttgannat 480
 attnctgcnn nntttacttt cngaattnga anctnanttt ttgcttntnt tggecncaan 540
 cacntnnnt tttcntttaa gtggntnttg tttnttana aaaannttcg annncattt 600
 tggntggnt ttttctnnc ntntccnctg acttgccnn nanattntan atcctnnttt 660
 ttntnnntnn ngttggatct ttnccttnt nnnnccgnnt nntggggggn tttctntttc 720
 cctanttant ncctttnnnt acnnggnttt ctcnntnnnn tttnttnca annntnnnt 780
 ntttattnan tntnttantt tcnctnttg gntctnttn ctctaanngc agtntnagnt 840
 tatnccnnnt genttttnnc tttcnnttat cnntnnagan cttttctttt nnntnnttta 900
 gntnttctna nntctngtac ttctttnttt ntntnnantn ttacgcatt tttnttnct 960
 tcnnatacna cntagantct ctnntctccn ctnc 995

<210> 1108
 <211> 1001
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1001)
 <223> n is a, c, g, or t

<400> 1108
 gcctatntgg agcngcatnn cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggaa gtcgtggtga tggagggccc cctggggcta ctggtttccc 120
 tgggtgctgnt ggacggactg gtccccctgg accctctggt atctctggcc cccctggccc 180
 ccctggtcct gctggtaaag aagggttcg tgggcctcgt ggtgaccaag gtccagttgg 240
 tcgaagtgga gagacaggtg cctctggccc tcctggcttt gttggtgaga agggtccttc 300
 tggagagcct ggtactgctg ggctcctgg aacccaggt ccacaaggcc ttcttggtgc 360
 tcctggtttt ctgggtctcc caggctctag aggtgagcgt ggtctaccag gtgtcgctgg 420
 atctgtgggt gaacctggcc ccctcgcat cgcaggccca cctggggccc gtggtcccc 480
 tggtaatgtc ggtaatcctg gcgtaatgg tgctcctggt gaagccggtc gtgacggcaa 540
 ccctgggaat gacggtcccc caggccgca tggtaaccc ggacacaagg gggagcgttg 600
 gttaccccg taacgcaggt cctgttggtg cttgccggtg ctctggccc ttcaagccct 660
 gtnggtcccg ttggtaaaac accggaaacc gtggttgaac ccgggtcctg ccngngcttg 720
 ttggtccctg cttggtgcn ttggcccaa agtcccagtg gcccacaagg tattccgagg 780
 ngaaaangga aaaccttggt gataaaggtc ccanaggtct ttnttggtt aaaaggacac 840
 aattgggttn gaaaggnctc ccggnctttg ctggccatna atngnnanca angnggctcc 900
 ccggnctggn nngtcccctt gntcccaang gncccttttg gttccttttg gcccttngc 960
 aaaagaaggt tntatttnnn caanctngng nntnagcnc n 1001

<210> 1109
 <211> 1018
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1018)
 <223> n is a, c, g, or t

<400> 1109
 ncaaantcgg actccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
 aggaattcgg caccaggaga ggtgcaactt tcttcggtcg tcccgaatcc gggttcatcc 120
 gacaccagcc gcctccacca tgccgcctaa gttcgacccc aacgagataa aatgtacctg 180
 aggtgcaccg gtggggaagt cggtgccacg tctgccctgg cccccaagat cggccctctg 240
 ggtctgtctc caaaaaaggt cggatgatgac atcgccaagg caactgggtga ttggaagggt 300
 ctgaggatta cagtgaact gaccattcag aacagacaag cccagattga ggtggtacct 360
 tctgcttctg ccctgatcat caaagccctc aaggaaccac caaggacag aaagaagcag 420
 aaaaacatta agcacagtgg aaacattact tttgatgaga tcgtcaacat tgcccggcag 480
 atgcggcatc ggtctctagc tagagaactt tctggaacca ttaaagagat cctggggacc 540
 gccagtctg tgggctgcaa tgttgatggc ccgcaccctc atgacatcat tgatgatatc 600
 aacagtggcg caagtggagt gcccccgcta gttaaaaact gcaaangaaa ataaaggacc 660
 attttgacaa ccaaaaaaaaa aaaaaaaaaa cttggggggg ggggcccggn cccaattnc 720
 cccctttang gggggggnnnn nnnnaaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc 1018

<210> 1110
 <211> 1040
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1040)
 <223> n is a, c, g, or t

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<400> 1110
nccnnatctg gagctncacc gcngtgccgg ccgctctaga actagtggat cccccgggct      60
gcaggaattc ggcacgagga gaggtgcaac tttcttcggt cgtcccgaat ccgggttcac      120
ccgacaccag ccgccttcca ccatgccgtc taagttcgac cccaacgaga nnaaaatgga      180
ccctgnaggg ncccggnggg gaaagtcggg ccnnggtctg gccttgncct cnaaaatcgg      240
cctttngggn ttgnttcnaa aaaaggccgg ggannactnc gccaaaggnaa ntnggggnntg      300
gaaaggggct gagantacng ngaaactgnc cattcaaaac agaccaaccc anattgnggn      360
ggnacntnt ngntttggcc ntnancntca angccntaag ggaccancca nggancnnaa      420
naancnnaa aacntttann ccnanggaaa ccnttctttt nntgnaaatn ntaacatttg      480
ccngngaan gcggattcgg ttttatacta taaaaaantt tntgganaac cttnaaagag      540
aatacctgtg ggacaccgc ccncatttnt gnggcgtgtg nanntgttnt ngggcgccgc      600
cncctcttng anacncntt tgnntgntat ttncaccag tgngccccct ggcgagngnt      660
cccccttct nttttnaaaa acatgncgnc aggnnggaaa taaaagngng nccntntttc      720
ncccccccn aaaaaaaaaa aaaaatnttn nctngggggg gggggcccg gnttcccaa      780
ntnttccct ttttngggg gggttntnt ntacnccnt tttntncncn nnatttnatn      840
ttttnctnna nnaantctc ctctcgccnn ttcttngna anttnttct nnnnttctt      900
natnttncnt ctttttttn ncttactcc ctttttntt tantgngtn cttnnnttt      960
tcttntntt tccnnnatn caatatntt tantntntt cgatnctnnn cgnttctctt     1020
naatntantt atnttggtcc                                         1040
  
```

<210> 1111
 <211> 1011
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1011)
 <223> n is a, c, g, or t

<400> 1111
 ttnagcctat annagagngt attacagtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa attcggcacg aggnatgac ttaccnntg ggagaacann ggnagaggga 120
 atatcttgnc ncnnttgnt cctncacntn ctttgnaggc caccggnnt ggtacctntg 180
 acancngcng nntncnggg nntaanccng gtaccaaagg ttcnatngcc cntcttnnan 240
 canntgttcc cananatccc ntctnatatc nacacantan ngccatctgc ccaattgaag 300
 gctntatgcc ttngaattcc acnctgacaa aaaatattcc cnanagtaat atttancacn 360
 cntaganacg ngtgtgtntc tntgncantg nctatanaan ntngagtngt gtncacacac 420
 cccntgntag cgtgnntnt ttttataacc nnttctctgn ngagggnntt ctncctttct 480
 cnactccaca ncttctncaa tctncnntg agagtgtng acnnttttct ccacngganc 540
 acccttgat cttttattcn taaaaatntc ancncccnc atcantttt cnangaagaa 600
 natgnnttcc ccttcgttga ngnttncctt gnntgncncc tcgttngtgg gaangntnt 660
 cccccctann cagtaancca ntnttttnnc nnaacantnt tatcccccat tntttntta 720
 gggngngaaa ttnnttnna cnaacttctt tgttgcctcc aataaannnc tgncnngcnc 780
 cntcattngt ttggaaacaa ccagncnctt tcttttctnc nggggnntcn gnaaaaaacc 840
 acaananang ttacnttatt ttnnaccn aaaggtnccc naccctgggc tntncgcaa 900
 aaaaatntt tttcttncnt agcngntta attnattcan ntccccnccc cnagtttttc 960
 cttnnnanng ananaaann tttntgnnt atgannanna cnttttttac c 1011

<210> 1112
 <211> 1011
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1011)
 <223> n is a, c, g, or t

<400> 1112
 ttnagcctat annagagnngt attacagtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa attcggcacg agnggatgac ttaccnntg ggagaacann ggnagaggga 120
 atatcttgnc ncnnttgnt cctncacntn ctttgnaggc caccggnnt ggtacctntg 180
 acancngcng nntncnggg nntaanccng gtaccaaagg ttcnatngcc cntcttnnan 240
 canntgttcc cananatccc nctnatatc nacacantan ngccatctgc ccaattgaag 300
 gctntatgcc ttingaatnc acnctgacaa aaaatattcc cnanagtaat atttancacn 360
 cntaganacg ngtgtgtntc tntgncantg nctatanaan ntngagtngt gtncacacac 420
 cccntgntag cgtgnntnt ttttataacc ntttctctgn ngagggnnttt ctncctttct 480
 cnactccaca ncttctncaa tatcncnntg agagtgtng acnnttttct ccacngganc 540
 acccttgat cttttattcn taaaaatntc ancnccccnc atcanttttt cnangaagaa 600
 natgnnttcc ccttcgttga ngnttncctt gnntgncncc tcgttngtgg gaangnttnt 660
 cccccctann cagtaancca ntnttttnnc nnaacantnt tatcccccat tntttntta 720
 gggngngaaa ttnnttnna cnaacttctt tgttgcctcc aataaannnc tgncnngcnc 780
 cntcatngt ttggaaacaa ccagnncctt tcttttctnc nggggnntcn gnaaaaaacc 840
 acaananang ttacnttatt ttnnaccn aaaggtnccc naccctgggc tntncgcaa 900
 aaaaatnttt tttcttncnt agcngntta attnatcan ntccccnccc cnagtttttc 960
 cttnnnanng ananaaann tttntgnnt atgannanna cnttttttac c 1011

<210> 1113
<211> 975
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(975)
<223> n is a, c, g, or t

<400> 1113
ttganaaccg ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcggcacga ggctctntnc angntgtan ctgntngctc tgagcnnttg 120
cctgnnttgt agcanactat gaaancatac tnngnctctc tantatccta gngngagtnt 180
tactcctccn ggnttttcaa agggagtctt aaagcaaata atagatttaa gtgagaattc 240
aagcaaagt cngattagac taatcttgca ttanattttt agatctanga tatatatata 300
cgcattgtaa cgtacacaca cctgcattga catatgttta cagggcctta gctatctcag 360
ttnatTTTTT ctttggaatt tnaccatttt cccattttta cagaataagt gaatttgtat 420
aagttggtta cngctcncca tttttttttt ttttttttng gaaaaaana agggnggggn 480
ccnctanttt ggtaaaaaaa gnttttcccc cnggccaan atggccctta nactttngaa 540
tntttttttg gnaaaaaatt ttttttaata nctttatttt taanacccc taaaccnctt 600
ggtttgggga aacttgngtt ccaaaccctt gggggagnaa attaaagaaa atnccnntta 660
accttggtan nnaaaaagaa ggggggtttt cccccaacc cctgttggtt ttcccggnna 720
aaaaaaaana aaantgggaa nccgggggtt tcccccccg ggccccgcn ccttaaaaaan 780
nnggnacggg ggattttccc cttttaaaac cnggggtttt tnaancctg gggncctt 840
gggntttttt ggggccaaaa aaatttcccc gggggnaaaa aggcaaantt tttttttttt 900
ttggnaaaac ccttnaacc ccccgggggg ggaaaccccc ntttcttaa cttttttttg 960
ggaggggacc ccaaa 975

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<210> 1114
<211> 952
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(952)
<223> n is a, c, g, or t

<400> 1114
ancanantcg gagctccccg cgggtggcggc cgctctagaa ctagtggatc cccgggctgc      60
aggaattcgg caccgaggan annataatgt gnttccttat tttttagata ngnncttaag      120
ataggttcat actatccttt gaaaagaatt gacaacctgc aagaatgtng ttcatacata      180
tcatggnaat tgcacagtaa gggagattnt catgtnggat ttggggaact anttgcatta      240
nttcatagcc atacttgatg aatnaagnca cantggctga cnttgatnct gaatnaatgg      300
acctaaatan ntttgtatta atgnactctt atctaaaact aatttaccat atttgttctg      360
tttttgaaag tacaggantt gccctttaat acttggttca aatttgagta cctaaacctt      420
cacacgagta tagattaaat ggccagatac attactttta gaaagtcggt attattgatt      480
tattttaacc ccaattgaga caaataaaat attggttatt gaaaaatgnc ttttctttcc      540
attactggca tctcacatta gcccatctga ggggaaagac aaaaccagc tcatttcact      600
ggtgggagta tttctcattt tacataaact cccattatac tctncatctc ttacgaactt      660
acagagntaa aagagacatt tagtctaaca aagaacctgg ttttttctg gctcacagat      720
ggttncttat ggngggatac ccgccttttt atttgacctt tagccttttc tttttttana      780
cnetgggnaa atttngnaaa ttctaaccct ttctaagcat ggtaggtta atttatccnc      840
ttttttaaac ttaatttttt taagccttaa cctaaaaaaa ttttttttnn tttaaacctn      900
aataaaangg gttttaanct ttaaaaaaaaa nacctttaaa aanggttttt tc          952

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<210> 1115
<211> 936
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, c, g, or t

<400> 1115
ttgnncaccg ctggagctcc ccgcgggtggc ggccgctcta gaactagtgg atcccccggg      60

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ctgcagggaa gaactctgat gcagaggttg caccttttcc cagatgaaga tataaccagaa	120
gatattctta agaatttaac agaagagctt cctcaaccac gaaaagtgcc cagacgtcta	180
gatgagtaca cacaagaaga aatagaggct ttcccaagag tttggtctcc acctgaggat	240
tatcggctgt aggaggaaga aaatttcaga aaataacggt gtggtgcttg aaactccttc	300
ctcagggcag gatgaagcaa tagctgcctt ctggaaggaa gcctgctctg ggggctgaaa	360
gtttgtgggg aaaggtcggg aaggggtatc ccttcattag gaaattgcag taagatgtca	420
ttttatagaa ttgttttatt gtatagtgtt atttgaatgt tggaaatgat aagaataaaa	480
ctgcgcctta cttcaaaaaa aaaaaaaaaa aaaaacnntg ggggggggcc cggccccaat	540
tcccccttat gggnggtgnc ttacacncnn nnnnnnnchn nnactggggn tgnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnccn	720
nnntnnnnnn anntnnnnnn nnnnnnnncn nnnnnnnnnn ncngnttnn nnnccnnnnn	780
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<210> 1116
 <211> 988
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(988)
 <223> n is a, c, g, or t

<400> 1116	
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caggaattcg gcacgaggat agttgagact tgtagacatt tatttatact gtgtcatgtt	120
ttataattta tacataaaat gtctggttga ctgtacacct tgtttttgaa gaaatttatt	180
cgtgaaagga agagcagttg ttatttattg tgaggtctct tgcttgtaaa gtaaaagctt	240
tttttttttc cttgnaancc nttnaagncc nttccttact atncactcnc tcactcngct	300
ccnttcnttn acctgncggt anactntttt ccactttanc canctngcat gtcagtttct	360
gnctgttaa ttnatngnat nctcngctgc cngttctggn catncctgan ccctcgggtt	420
tngttnacaa ggaatctnga ctgaccaaann ggcnttatan cnttgactca aatagcaggt	480

ccagaggatn cntttttgag gaancncna tttctgttct cnggtnggna nnaaaacatc 540
 ggngagggca ggnggnnata ncagggtnng gtttctaatac atgccttcta anaggttnca 600
 nanccaaana atngagngat angggngnca ggaccctgaa anaaggaaaa ngctgtacat 660
 tcaaccttat gttaggggtt tccttnaaag gntagtttgc tgtncctttt canctagttt 720
 tttttcccca ntgngccttg aaaaggtata tcaaagcttt ntnagnccan ggttctnggc 780
 ttttnaaaaa acttttttnn ngaggcaatt ttttatttnc aaacatggca agtaaaaaat 840
 aaancnttta aaanntnaag ttttaancctt ttctcccctg gaaaggacca ntngttaaaa 900
 aaagttaata agnggggtttt cgcaaaataa ngangaggga aaaattanaa aaatttttaa 960
 annccnnaaa aaaaaaaaaa aaaaaant 988

<210> 1117
 <211> 1006
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1006)
 <223> n is a, c, g, or t

<400> 1117
 naaaactgga gctccccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca 60
 ggaattcggc acgaggggaa gacttaccac gtgggagAAC agtggcagaa ggaatatctt 120
 ggtgccattt gctcctgcac atgctttgga ggccagcggg gctggcgctg tgacaactgc 180
 cgcagacctg gggctgaacc cggtaacgaa ggctccactg cccactccta caaccagtat 240
 tcccagagat accatcagag aacaaacact aatgtcaact gcccaattga gtgcttcatg 300
 cctttggatg tacaggctga cagagaagat tcccagagat aatatttcca acccagagaa 360
 acaagcgtgg atctctgcca aggtccatcc aaactggagt ggtgttcgca gaccccatgt 420
 tagtgtgttc ctttcttaag ccctttgctc tggagtaact tctccagctt cagctcaact 480
 cacagcttct ccaagcatca ccctgggagt gttttcagac ttttctcata catgggagca 540
 gtaggttata tattcttcaa aatattccat gccaatcagt attttaaatg aagtgattct 600
 aacttgngat ttggattggg atccataggg aagcacatgc cccaaccaag atccaaaatg 660
 tottgaaatg atattaccaa aatttttaagt aggaaaagnt acctgaacac ttntgcttnc 720
 acttaactga ctgggcccgc aatantgnan gaaacagcat gnccttttgn actgggggnat 780

tcaaaaaaaaa gccccagtac ttcacttttt tccaaangaa tctaagtaat tggcctaaaa	840
aaaatcnttt ttcntaacc gggaatttaa tcaaattttt ccagntttt tttatttggg	900
aaaaaaaaat tggnnctggg aaaaanacct taannntgcc ngttnnanaa aaaaggnaaa	960
cnggggnctaa aataangggg ggggggaata atttttttaa acccgg	1006

<210> 1118
 <211> 971
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(971)
 <223> n is a, c, g, or t

<400> 1118	
ncnanatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcagggagaa ggtcttcctt gccagaaga tgatgattgg tcggtgcaac cgagctggga	120
agcccgatcat ctgtgccaca cagatgctgg agagcatgat caagaagcct cgccctaccc	180
gggcgaggag cagtgcctg gccaatgcc tcttgatgg agccgactgc atcatgctgt	240
ccggagagac ggncaaagg gactaccccc tggaagctgt ccgcatgcag cacctgattg	300
cccngaggc anangctgcc gntaccatt tgcaattgnt cgaggagctn cgtcgctgn	360
caccattac cancgacccc accgaanctg ccgctgtggg ggccgtggag gcgtccttna	420
agtgtgcag tggggccata atcgctctca ccaagtctgg caggtctgca catcaggtgg	480
ccagataccg cccccgggc cccatcattg ctgtgactcg gaatcaccag acaagctcgc	540
caggccacc tataccgagg caatcttccc tgtggtgtgt taagggaccc antgcangag	600
gcctgggctg aggacgtggg atcttncgng gtgancntn nccatnaatg ttgngaaaag	660
ggcccagggc ttttttnaan aaaaggagaa aatnggtcan tttttgctna accgggtggg	720
cgccccctgg tttcggttt taaccaanac ccaatgcggg gtagtttcct tgtgcccatg	780
angggacttc gaagccccct ttttccangc cccctngttn ccacccccct tttncccaaa	840
aacanttcn ttaggcccaa nnttgcttt ngaatngctt canctttggg ggctngaata	900
gggggcancc tgggtggggg tgggancacc cnanggaaan aanaangaaa taaccttctt	960
gtggaaancc n	971

<210> 1119
 <211> 935
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(935)
 <223> n is a, c, g, or t

 <400> 1119
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 ggctgcagga aactacactt ggttaccagt ttggggtcga gatgtcctac gtccccgggcc 120
 agccggtcac cgccgtggtg caaagagttg aaattcaciaa gctgcgtcaa ggtganaact 180
 taattntggg nttnancntt gnaggcggan tngaccagna tcntcccaa anccnttttt 240
 aaaaaaataa aacanacaag gncntttacn tannacggnn ntccaaagga ggcnttgcgn 300
 aaatngntgg gntgcaaate ggggacaaag atcatgcagg tnaacggctg gnacatgacn 360
 atggtcacac atgaccaggc cnggaagcgg ctccaccangc nctcngagga ggtggngcgt 420
 ctntcgana cgcgnnnatc tctgcaaang gccngcaac agtccatgct gtntctancan 480
 ctgccagggg ccccggtgtg gcctgcccgc cntttgtaca gngacaccan ttncacgctn 540
 tgtctgctc tcactctggc ttctgctcat tgntgggccc ccnctcaaa agggcaacac 600
 ggatccctgc ccggtctgat cccctctncc cgtactgcc aggtcttgtg gcaccatntc 660
 tccctctngg atgctgaaga ctggcaacag ggcctggacc cgantcaciaa tcannctgna 720
 gtgacaattt tgggcncaa aancttgggt gcttggccaa aattattccc caggtnatna 780
 ggggcccttt tttcttgata ccccccccn tnttaaaaaa cccnggggn ttggccctt 840
 gccctttttt ttaaanttc gnagtnnct gtgccccac ttntttttcc tttttttcc 900
 caagagggg acttntnttc ttggcaaaaa aaact 935

<210> 1120
 <211> 963
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(963)
 <223> n is a, c, g, or t

 <400> 1120
 ttanacaac gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60

ggctgcagga attcggcacg aggaaatgct gaggtgtaga ctgacagctt taacactgct	120
gaatgccagg ttacacagta ttcttacaaa aagggaagtc agccaaagac tgatctgatg	180
gacccaaaatt ggaattttga aaagcaccag tactactttc caaaatgatc agcagggttaa	240
acatgttcag caaggtatag tgtgaatcca ttaacccttc gtcgtccagg gtccagacca	300
gaactacttg ttagttttga aaatggtagc ccagaatgtg gttgtgtgct ttatggaaag	360
tcagcagtgg ctgcaggctt gggtaaacia ccaaagtttt canggttggn aaaacacttc	420
ttccttgtn c atatccccac caggctttta ttnaaaaatc taaaggnggn ccgtnacctn	480
gggttnggtt tggttttnaa taaagnctt ngaatcnggt ttacctngnt tttnaatata	540
tgncttaaag naatcctaaa tctttttaac ctnacntan ttgcanttnc ccctgnantt	600
tcattggacca agttggcttt nantttggtc aagggggggg tttggttttg gttttttttt	660
ttggcttttt aantnaaaaa cttttgggtg gccagggaat cccctttttt cccctttttg	720
gaaaggnctt tttggccanc cccctgggtt taangggccc tggaaanccc cttaccccg	780
ctttggaagg ggttattttt tttaaanggg ggcnccccaa aatnctttgg nccccccctt	840
tggtttttaa annngnaaaa ggaaccttg aaannnctt tttttanaaa aatttttttt	900
tttttttttag gccccnaaa gggttnaaaa aancccccaa aaangggggg tntgtntcnc	960
ccc	963

<210> 1121
 <211> 953
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(953)
 <223> n is a, c, g, or t

<400> 1121	
naaaagctgg agtccccgc ggtggcggcc gctctagaac tagtggatcc ccgggctgca	60
ggaattcggc acgagggtct ttaaaccctg cgtggcaatc cctgacgcac cgccgtgatg	120
cccagggaag acagggcgac ctggaagtcc aactacttcc ttaagatcat ccaacttctg	180
gatgattatc caaaatgctt cattgtggga gcagacaacg tgggctccaa gcagatgcag	240
cagatccgca tgtccctccg cggaaggct gtggtgctga tgggcaagaa cacgatgatg	300
cgcaaggcca tccgaggga tctggaaaac aaccgggctc tggagaaact gttgcctcac	360
atccggggga atgtgggctt cgtgttcacc aaggaggacc tcaactgaaat cagggacatg	420

ctgctggcca acaaggtgcc agttgccgcc cgtgctggtg ccatancgcc gtgtgaantc 480
 attgtgccag cacanaacac tggctctgggg ccgaaaaan acctccttnt tccaggcttt 540
 aggcatacacc acnaanatnt ccanggggca caattgaaat cctgatgatg tgcagctgat 600
 taaaacagga gacaaagttg gcgccagcga agcccccttg ntgaacatgc tgaacatntt 660
 cccctttttc tttgggctgg cattcancag gggttngaca atggcagcan tttacaaacc 720
 ttgaagtggg ttgacaatna caaaaggaaa cttttgantt cccgntttct gggagggcgt 780
 nccnaatgt tgncaaccgt ttgccttcca aattgggtaa cccaanccgt tgggaatttt 840
 ggancccnt ttttttatta aatggggtn ccaagccccgg ccctggggtt ttggcttggg 900
 ggnnaaattg antaacnccn tttcncntt tntttaaaaa gggccaaggg cct 953

<210> 1122
 <211> 1021
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1021)
 <223> n is a, c, g, or t

<400> 1122
 tnnanaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcncga ggganagaga gagagagaga gagagagaga gagagagaga 120
 gaganagagn gggnggnncn gncccnncn ncnatana gaganncata annccccctn 180
 gctactntgn tccatatnta gannactgta ngncnnggc accgcacac gcattnttg 240
 tagnattctt tcttcgtaac cgtnncgaac catnatngga cccattcagt tcnctnactc 300
 ntctccctaa naatcttctg ctgncgacct agcatgncc acnantaggc ccctntnagc 360
 gtacnnactt ctccctacgt tattcttact actcncgga tantctatcg ttggaacctt 420
 ggggttacgn acacgcntgt accngtnnc ctctctnngn naccgtgntg agccatgcgn 480
 ganctttngt ttatcnacc ttnttttggt tacctttacc gtgantttgc tcattntnt 540
 gagccctaan cttcnttgcg tnaattatnn acataccgc cnnnancntt gtggcntgac 600
 caaactncct ntgtttggna tnatccgtaa taaattaccg gaccggccta ntactnnngc 660
 tcctttccat gcgttcccn naccggann ncttttgn nttntntnac ccngaacct 720
 aattgcttgg cntttttggt tcccgggggg aaggaggaaa ancccttntt cttttgncct 780

gcaccttttt	ttnnnnattc	ntttcggaca	anccccgaaa	gtnttttnnt	ttccaaaacc	840
ttntcttggg	cctaaggnaa	tnaaattttt	taatattccc	tnggncttgn	tnagtaaang	900
ngaaaaantt	tncccccttt	tngnntat	tttgggnaaa	aaatttgggc	ctttgaaatn	960
ngaaaccctt	tnnttgnncn	gggnnccaag	ggnaangggg	nccccccctt	ttttttncnn	1020
t						1021

<210> 1123
 <211> 948
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(948)
 <223> n is a, c, g, or t

<400> 1123	
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ggctgcagg	cnagtgcg tgcgcgctg cgctggccct cgcctcggag cagccatgat 120
ggaaggcctg	gacgacggcc ccgacttcct ctctcaggag gaccgcggac ttaaagcaat 180
aatgtagat	cttcagagt atgctgctct gcaggtggac atttctgatg ctctgagtga 240
gagagacaaa	gtaaaattca ctgttcacac aaagagttca ttgccaaatt ttaaacagaa 300
tgagttttct	gttgttcgac aacatgagga atttatctgg cttcacgatt ccttcattga 360
aatgaagac	tatgcaggtt acattatccc tccagcacca ccaagacctg attttgatgc 420
ctcaaggagg	aaactacaga aacttgaga aggagaaggg tctatgacaa aggaggaatt 480
cacgaagatg	anncaggaat tgcaagctca gtactttggc aatattcaag angacggttg 540
caatgcatga	agtgtttctg tgttttagng gcttgcacat cccattttga ggaaagattt 600
aaatttccat	gtcttcctgg aatataatca agatttgagt gngcgaagga aaaaaaaaaa 660
aaaaaaaaac	ct nggggggggg gcccgggccc ccaattnncc cttttagggg ggggnnttnn 720
nnnnnnnnnn	nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn	nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn	nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
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<210> 1124
 <211> 1430
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1430)
 <223> n is a, c, g, or t

<400> 1124
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 ctncnnttna tnancntcnc tncnnggggn nnnnngtann gtctntncnn tttgagccna 120
 ntggagctnc acncngtggc ggccgctcta gaactagtgg atccccggg ctgcaggntn 180
 ccagggaanc ncnggttatt tgnntgtaag ntcacnntg gggancaagc tnanntggtg 240
 nnganggnct ggtgcctgga ncaagtgnnt nttnttccac ntntntncnt ataancnttt 300
 atncnntcn nggnctgacc tcnccaaggg ccnggntgca tgctgcttga ggatnagtag 360
 natgtatgna aattncaatn ctctgtgacc accccttggg tcatgaacca tcaagacagg 420
 ccgagattcn tagacctaat gcattgannt gngncgtgtn gatgcatant gcgacctcca 480
 gtgacacttg ngcctattga cgacantgtg ngcctgaaan cagagtaact naaggctgga 540
 gcnggtcagt gagagacatc caagtgcct nggtgnanta accttcgggt agntgacnaa 600
 ntccgatcct nccacntac tanagggnca agtcctttng nngattttgg aatgaatgcn 660
 tgggtgnann nccgggcnat tgnnggantg agggangnca atgnnttgan nggggtgnaa 720
 annnaaacc gaangggnaa cacnagccta gaggggggnn cnnnaatntt ttngggggna 780
 aacttcaatg nnnccaaaaa attnaacccc tgnaaanttn nngctncaaa aattctntta 840
 ncaanttnaa nttgtattcn tannagggtc taggncnngn ttttnnatna aaanaanaan 900
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 attnnttttn angaaaaaaa tannnccggn ggntttcntn nntatggtgc ggcttnnttt 1020
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 gntccctttt ttnntccant tnccccctg tncaaagtgc acnngtannn acatgnacnt 1140
 tgggntngng cgcgcattht ccctttttng ncngganagg attctttatc ccncactcct 1200
 annngggttg caaaaaacnc ctcnnattht tttgcacatt tgnagngggg ggaaggaaan 1260
 atagttnacc ctattnttgg aagncgntgc cnaaagtntt cacacannac aanagagatn 1320
 ttctctntgt gngggggngt ngtcncnnn ncttacctat naatnggcgc tnntnntttt 1380

nnnnnangna gccnaacnc tattanttac attcatcgnt gncatatntcc

1430

<210> 1125

<211> 1010

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(1010)

<223> n is a, c, g, or t

<400> 1125

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caggggaattdt cggcacgagg cgaccagtga ctagactgaa agaaactcat cctttgggag	120
tcatggcagc tgatgaagat aacaaagaac aagttcttaa ggaatgtgag caagctgaag	180
aaattatgaa agataaacia aaccagaaat taattagtga aattacaaag gaaaatattd	240
agttaaagga ggagatcaaa aaacttgaag ctgagttaca ggagaccacc aggacctccc	300
agattaatga ggatattcct gaaaciaaga taaagttcac atctgtggag aatcctgaga	360
gtgacagcga gtttttagat atctcctatt catgtcaagt gagctcaaaa gtcccttatg	420
agctgcaaaa aggacaagca cttattacct ttgaaaaaga agaagttgcc caaatgtga	480
tcagaatgga ataccatcat gtgcaggtag agaatgaaaa tgtgatgctc acggccaacc	540
cagtttcgtd aaattcagga gtcaaattcc aggttcacgt aggagtgtct aaaatgaaaa	600
tcaacgttac cgacattcct gatgaactgc tnnaaagtca gatgagagac aagctanaat	660
tgagtttctt ttaagtctcc caacggaggc gganaagtgg agtaccgtgg agtttaacia	720
gcagaccng agccgccctt tttccctttt ngggaaaggg gaatttcttg nnaagaattd	780
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gtttntccct acnccnaaaa cnnccctttg gaaaangttt tagggttttt tcnnggagtd	900
ttntaaaaag gccanngttt ttggactngg acnttaaacc cctttnaaaa ccnccnggtd	960
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<210> 1126
<211> 940
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(940)
<223> n is a, c, g, or t

<400> 1126
caanantcgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
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ggagaacgaa gggcatcctc cccattccga aggatcaggg aagaggagat cgaggtggat      180
gctcgagtgg cagacaattc ctttgatgcc aagcgggggtg cagctggaga ctgggggggag      240
cgagccaatc aggttctgaa gttcaccaaa ggcaaactct tccggcatga naaaaccaag      300
aagaagcggg gcagctaccg gggaggtctc atctntgtcc aagtcaactc tgttaagttt      360
gacagcgagt gaccatgggc cgtctatggc acagcaaggg tgtgccact caacgtcctc      420
agtggacctg ggaatcctag gctctatcag gggaggggtct tggatgaagag agcagtttan      480
aataggtctg aagactgcac tgtaacaccc tctaaggtcc ttttttgtgt tcgtgggttt      540
gtacagattt gttttttgag tgttgggtag caaggacaaa gagtgttcat ttttaagaac      600
aattttagtt gtcattcccc tccatgttct gtgaaagtct tcatactgag aaatttggat      660
attttcctat taaatcattt cttattgaaa aaaaaaaaaa aaaaaaacnt cggggggggg      720
gccccgggnc cccaaatttn nccnttttnn ggnngggggn nnttaannnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnncn nnnnnnnnnn nnnnnnnntn nnnnnntnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn ncnnnnnnntn nntnnnnnnn      940

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<210> 1127
<211> 1423
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1423)
<223> n is a, c, g, or t

<400> 1127
tttgnaggnc cncntagnng angttcgtca ttacagtggg ntggacgntt tanaactagg      60

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gggcacncc	ncggnccttg	aangtaaact	tacaccnct	ctcctttntt	ttncgtcta	120
ttatnnttt	natnnncan	ngggggcnt	tnattntnn	tnnttctana	natancccg	180
aagcttnact	ctttttnnnt	cgngacanna	tnnacnggn	cggaaagtan	actntatat	240
ncntgatgan	ctcttaactt	ttatncnatg	agtngttatn	ntgtgttnct	atntnaaatt	300
cattangan	nnantcanat	tanntctnca	ctaacgcnta	nancantnag	taccnctgcg	360
ggctnctntt	aanactcgac	cacgngngna	atncngnana	gtgnagnntc	ntnttgctna	420
gaaaattttg	cgtgnngnct	tgnaagaat	tctggggnga	cnaagaatca	ntntcaagag	480
ctgaaatcgg	tttgcnnagc	antagactca	ntgtgttnac	tnnnnttgna	nctacngtcc	540
cnggnaannn	cgagatttna	cacatnggct	gcttcgggna	ggtaggggtg	tnntgtngtt	600
nttgcnttgg	ttngaacnac	agggcnnatt	angcnttggc	nnnaantgn	ccntnnnaga	660
ccnttacna	ttantnttn	tnaaantan	ntatnntnga	angttgnntc	ncctngattc	720
gnttnacttt	gtgnctgtat	nccttctntn	acaagnnnc	nctacntnn	ttttaacnt	780
ntttgtgatn	atggggnnt	ncaattnctn	nattnttttt	tnctttattt	ngttngnnnn	840
nnantnanta	ntgtnnatna	tcntgganan	tnntanntn	tgaggttnan	ntnggtttnn	900
nngttcgtga	tcntntcntn	atnnnnctc	tnnctntna	tacnnnatna	gaagtnnann	960
atntacacnn	atccttcttt	cctcctcntt	tggaatnnc	nttganggta	cttngtgaaa	1020
aacantnngn	ntttttggtn	agnncccggn	gttnnnaatn	tctannctcn	atgnttnngt	1080
gnnnctnagn	tnnnntanga	ggtantgaca	ataanntaat	ttgtntcacn	attgggantn	1140
cnantatgnn	ntttatnntt	tnntntnggn	ntttntntg	ngtntccgtt	anntatntac	1200
gtanncngag	ttntcnncg	tngaattcnn	tctgntgnta	ntatnannng	ggnttatggg	1260
nctcccttgg	ngcnnantgg	gtatantcng	naaannnttg	ccngntgntg	ggnatntgtg	1320
tgccgcctaa	gngncntttt	ntacgactnc	tcnatatttn	ntngcctacn	aagggtgtna	1380
cnttgngnta	ttnnanttgt	gantcttata	tgntnancan	nng		1423

<210> 1128
 <211> 1423
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1423)
 <223> n is a, c, g, or t

<400> 1128
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 gggcatcncc ncggnccttg aangtaaact tacaccngt ctcccttntt ttncgctcta 120
 ttatnntttt natnnncnan ngggggcctn tnattntnn tnnttctana natanccctg 180
 aagcttnact ctttttntt cgngacanna ttnnacnggn cggaaagtan acttntatat 240
 ncntgatgan ctcttaactt ttatncnatg agtngttatn ntgtgttnt atntnaaatt 300
 cattangan nnantcanat tanntctnca ctaacgnta nancantnag taccnctgcg 360
 ggctnctntt aanactcgac cacgngngna atncngnana gtgnagnntc ntnttgctna 420
 gaaaattttg cgtgngngct tgnnaagaat tctggggnga cnaagaatca ntntcaagag 480
 ctgaaatcgg ttgcnngac antagactca ntgtgttnac tnnnttgna nctacngtcc 540
 cnggnaannn cgagatttna cacatnggct gcttcggna ggtagggttg tnttgtngtt 600
 nttgcnttg ttngaacnac agggcnnatt angcnttggc nntnaantgn ccntnnnaga 660
 ccnttacna ttantnttn tntaaantan ntatnntnga angttgnntc ncctngattc 720
 gnttnacttt gtgncgtgat nccttctntn acaagnnnc nctacntnn ttttaaact 780
 ntttgtgatn atggggnnt ncaattntn nattntttt tnttttatt ngttngnnnn 840
 nnantnanta ntgttnatna tcntgganan tnnntanntn tggagttnan ntnggtttn 900
 nngttcgtga tcntntcntn atnnnnntc ttnncntnta tacnnnatna gaagttnann 960
 atntacacnn atccttcttt cctcctntt tgggaatnc nttganggta ctngtgaaa 1020
 aacantnngn ntttttggt agnncccggn gttnnnaatn tctannctn atgnttnngt 1080
 gnnnctnagn tnnntanga ggtantgaca ataanntaat ttgtntcacn attgggantn 1140
 cnantatggn ntttatntt tntnntnggn nttntnttg ngntccgtt anntatntac 1200
 gtannengag tttntcnng tngaattcn tctgntgnta ntatnannng ggnttatggg 1260
 nctcccttg ngcnantgg gtatantcng naaannnttg ccngntgntg ggnatntgtg 1320
 tgccgcctaa gngncnttt ntacgactnc tcnatatttn ntngcctacn aagggtgtna 1380

cnttngngnta ttinnanttgt gantcttata tgntnanncan nng

1423

<210> 1129
<211> 980
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(980)
<223> n is a, c, g, or t

<400> 1129
ttnaaaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttccggcacga ggtcctngtc gtngctgaac tttccggaac cgcagctgca 120
gocgcaatgg cccacacctg ggtgcctgcc gtgggcttca cgctgttgcc cagtctgggg 180
ggcttctctg gngcccagaa cacccgagga nanggtttcc anatggtacg ccagcctgca 240
gaagcccccg tggcacccgc cccgctggat tctggctccc atctggggca cactctactc 300
ggccatgggg tatggttctt acatgatcnn naaagagcng nngggntntt taanggaagc 360
gntgnttnon ctgggcntnt acgntnnnca antgtctctg aactgggcat ggctctccct 420
nttcttcggc actcgacaaa tgggcttggg ccttggtgga tctcctgctg actggcggca 480
tggaagcagc cacggccaat ggcttggcac cangtgagcc cgcggnctgc ntgcctgctg 540
naccngnacc tggcctggct gncctttgct gccatgctca actaccgaat ggggnaagac 600
aaccaagtcc ggaggaatgg ccggcggnnt ttccggaatga agaaccctt ncccttccan 660
gaattgcaac ccgttgnggg tcaaggcact tgttgggggg ggggncccca aggcctttccg 720
aanncaccaa ggccgcctt gttttgntnt taancccagg gggngaacca ncaatttcca 780
aaaggggctt ccttntgaac ttgaaccccc caaccccaaa aaaaaagggn ncttggggcc 840
tttaanccct tgnntnaaaa ntiggttttt naaaaacatt ggaaattttt tttaacccaa 900
aanaaaagtg tttttaacct ttaaaaaaaaa aaaaaggnaa aaatttgggg gggggggccc 960
cgggnncnca aatttttctt 980

<210> 1130
 <211> 999
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, c, g, or t

<400> 1130
 aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc ccgggctgca 60
 ggnanganna acnnngccct gcccaagaaa caaangcana atcgtcccat tcctcaatgg 120
 attcgaatga aaactggcaa taaaatcagg tacaactcca agagaagaca ttggagaaga 180
 accaagctgg gtctataaga agcatgctgg gtctatgaga agtggcttta acatgtagac 240
 cactttttta agcagccaga tcacantgaa acatcactac tgtaatgctc ggcccatgat 300
 gttatttcct cctntcaggc tgagaccag cattaatata aacggtngca aaaaaaaaaa 360
 aaaaactnng ggggggggcn nggaccagc ttnccctnt gggnnngtga anncanttgc 420
 naaagaagcc tcnataannt ccttnaagan taccngngt ccntcanngg ggaacttggg 480
 gaacaaanan cncaanggn nntagnttt ttgaacnggg cttngcnaac naattaancn 540
 cnttcttttg taatttttaa aaccantnaa tttttttnt tgggggaaaa acattaatcc 600
 ccntnggggtt gggntggnnn tgnntggact tancggggaa gggattggtg taaccccat 660
 attttgaatt tttnttttaa gggttggtt caaaaanagg gaaaaaangn gttancaaaa 720
 nntcnccann ttccttttg anaaaaancn cccttnncnn ncntaanng gncnnggt 780
 aatggttttt tttattccn ccnaaaacc aaggnnttta aacntttttg gncctggng 840
 gggnaantcc cnngnncttt tctttnttt ttnnancnt ngnttnaant tnnngaccnn 900
 gngggctttg gttttttnaa aaaaaacttn tnctttgggn gggttnnntt taaaaattaa 960
 acccggttt naaanccttt tttgggaaaa aaaaaact 999

<210> 1131
 <211> 969
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(969)
 <223> n is a, c, g, or t

<400> 1131
 tnnnnaacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcacga ggggagaatt caagtgtgat cctcatgagg ccacatgcta 120
 tgacgatggg aagacttacc acgtgggaga acagtggcag aaggaatatc ttggtgccat 180
 ttgctcctgc acatgctttg gaggccagcg gggctggcgc tgtgacaact gccgcagacc 240
 tggggctgaa cccggtaacg aaggctccac tgcccactcc tacaaccagt attcccagag 300
 ataccatcag agaacaaaca ctaatgtcaa ctgcccaatt gagtgttca tgcctttgga 360
 tgtacaggct gacagagaag attcccgaga gtaatatctc caaccagag aaacaagcgt 420
 ggatctctgc caaggtccat ccaaactgga gtggtgttcg cagaccccat gttagtgtgt 480
 tcctttctta agccctttgc tctggagtaa cttctccagc ttcagctcaa ctcacagctt 540
 ctccaagcat caccctggga gtgttttcag acttttctca tacatgggag cagtaggtta 600
 tctattcttc aaaatattcc atgccaatca gtaattttta aatgaagtga ttctaacttg 660
 ngatttggat tgggatccat agggaaagca catgcnccaa ccaagataca aaatgtcttg 720
 gaaatgatat taccctaaat tttaagtagg aaagttaccc tggaacacnt tntgnntttc 780
 acnttaactg gactggggcc cgcaatattg nanggaacca gcatggccct tttggacctg 840
 ggggaattca aaaaacaagc cccaggnact tcntttttt tccaaaagga aatctaagga 900
 attggcctaa aaaaaaatt ttttttnntt acccggaat ttaanaaat tttttnccca 960
 anntttttn 969

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<210> 1132
<211> 912
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(912)
<223> n is a, c, g, or t

<400> 1132
ttnaacaann ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg      60
ctgcagggttt gatccctggg tcggnaaaggt cccctggaga aggaaatggc aaccactcc      120
agtattcatg cctggaaaat cccatggacc gaggagcctg gtgggctaca gtccatggga      180
tcacaaagag tcggacatga ctgagcgact tcatttcatt cattcaagcc gacctttgtt      240
cccctttgaa atcccttcaa gcttttggat gttcttgggtg gtaacagcat tagattttgg      300
gatatctttc tcggattcaa ccttgcattt aatgggtttt agacattaac aaaacggatt      360
ctttaaaagg aaagaaatta agtctacctt attctgctag gcactcgtgc tccctgtgtc      420
aaccgtactt ttataactat ggtaatgaag tcaatagata gcaaactaat tttccttcc      480
cccttgtaaa attgagaaaa cttgctaaca aggaactgaa actgttatct tgaacatagt      540
ccccagtcta gtttttgcca tgactataat gaatatagtc atgtggntaa tttcaatttc      600
cttgnggtta atttcaaaag aattctcaga tcccacagta taaanggtgg aaaattatgg      660
taccttttat gcttganaaa angaaantng ggggggttaa cccatttnaa agnnncatgn      720
aatcatgggt nggaaaaggc atttggantn cntttggagt tatatatagg aaccggcaag      780
tttttggagt tgaatccttt taaacatgcc ggacanaata aaaaaccttn gttttgnnaa      840
aannngncc ccccantttt ntnaaanggn aaannttttn cnttttggcc ttttnaaaac      900
cagnnnnccc ca                                                                912

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<210> 1133
<211> 996
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(996)
<223> n is a, c, g, or t

<400> 1133
ncaaaanctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct      60

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gcaggcgaca gatagccgac ttctgtgctg tgccagccgc atccctgaga caagatgggtg	120
aaggtcggag tgaacggatt cggccgcata gggcgcttg tcaccagggc tgcttttaat	180
tctggcaaag tggacatcgt cgccatcaat gaccccttca ttgaccttca ctacatggtc	240
tacatgttcc agtatgattc caccacggc aagttcaacg gcacagtcaa ggcagagaac	300
gggaagctcg tcatcaatgg aaaggccatc accatcttcc aggagcgaga tcctgccaac	360
atcaagtggg gtgatgctgg tgctgagtat gtggtggagt ccaactggggc cttcactacc	420
atggagaagg ctggggctca cttgaagggt ggcgccaaga gggtcatcat ctctgcacct	480
tctgccgatg ccccatgtt tgtgatgggc cgtgaaccac gagaagtata acaacacct	540
caagattgtc agcaatgcct cctgcaccac caactgcttg gccccctgg ccaaggatcat	600
ccatgaccac tttggcatcg tggagggaact tatgaccact gtccacgcca tcaactgccac	660
ccagaagact gtggatggcc ccttcgggga agctgtggcg tgacggccga ngggctgccc	720
anaatatcat ccctgcttcc tactggcgct tgcccaaggc cgtggggcaa ggtcatnct	780
gagctcaacg ggaagcttac ctggcatggg cnttcgggt cccactccn acgtgtttgt	840
tgnggatctg accttgccgc ctggganaaa ccttgccagt ntgatganan caaaaaaggn	900
ggngaaaaca ggcgtcaaag ggccctttca agggcattnt aggccttctt ggaggancag	960
gttgtttctt gnaaattnaa aagngacacn tccttt	996

<210> 1134
 <211> 1012
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1012)
 <223> n is a, c, g, or t

<400> 1134	
ancaannnct ggagctccac cgcggtggcg gccgctctag aactagtga tccccgggc	60
tgaggcaaa ctccacctgg actacatcgg gccttgcaaa tacatcccc cctgcctgga	120
ctccgagctg actgaattcc ccttgccgat gcgggactgg cttagaacg tcctggtcac	180
gctgtacgag agggacgagg acaacaacct cctgaccgag aagcagaagc tgcgagtga	240
aaagatccac gagaatgaga agcgccctgga ggctggcgac catcctgtgg aactgctggc	300
ccgggacttc gagaagaact acaacatgta catcttccct gtgcactggc agttcgggca	360
gctggatcag caccctattg acgggtacct gtctcacacc gagctggccc cactgcgcgc	420

cccccttata	cccatggaac	actgcaccac	ccgctttttc	gagacctgtg	acctggacaa	480
cgacaagtac	atcgccctgg	acgaagtggg	ccggctgctt	cggcatacaag	gagaaggaca	540
tcgacaagga	cctcgtgatc	taaaagccat	gcctcctcct	gcagaaccag	attctctctc	600
tttgactttc	cccttctggt	tttcccaatg	tttaaaatgg	ttggatgggt	tggttggtctt	660
gcctgggggc	aaggggctaa	tatagactta	aacgaatacc	nttaaccggg	gctnaacaca	720
gaacttttta	anccaagtcn	cgaaatttnt	taagtgnnaa	ctnaactttt	tncgggcttt	780
ttggttaccc	atgaaanggg	ccccgttttt	ctttttggcc	ggggngcccc	tccnccctt	840
tggntttngg	ggggcnaatt	gggngnggaa	cacttttntt	ttggtttnng	ntttntcct	900
taaaanacca	attgggnatt	tttnnaanat	tttnaatntt	ttttnttnna	aaaactaatt	960
ttccccann	ncnnaaantt	tgggtttant	tttttttnng	ggggnttggg	cg	1012

<210> 1135
 <211> 1035
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1035)
 <223> n is a, c, g, or t

<400> 1135						
gccctatang	gagnngnatn	acagtggcgg	ccgctctaga	actagtggat	ccccggggct	60
gcaggaattc	gncacgaggn	tgnaatgtnc	tntncngact	gnnngncncn	cncangatan	120
nnanggnaga	agcnnacctn	gtggngcttt	ggggcccnct	ggggacaann	tctagcccat	180
nentcactct	attgnnactc	ttncagggcc	tggaanccct	tgntcctatn	ttctnctngn	240
gctagggggc	tgngcttnnc	nannccgncn	ggaaaangga	nngatnnacc	cagggngann	300
ncnggaaatc	aaanctnant	ggaaaancnt	ngcccnnnnc	ccaggngngn	aattnngcct	360
gnanactggn	ngaccatgat	gacnntgagg	ntgtggtngn	nagccacnag	ggccttcann	420
agnatgnagn	ngngttgggt	ttacncgant	gccngggcta	ccagtttttt	caaatatgtn	480
nattgntgcc	gtnccccccn	cccttnnnnt	nggttnnatan	annnncttnt	gtncnacnnc	540
naccntncac	anagagatta	acnnaagnct	tantgtcccn	anaaaantgn	ttaaancncc	600
cnggagcaag	ggtntcntcn	natngacnat	tttttccna	tttnggnaan	ggttcttata	660
natecngntg	ntncccttcc	ttttcatott	ngncatncca	gatantacnt	ggtgngatgg	720

gnccccntc ttncanntn nctnnttng canaccanga tcngtnnngn antnntccaa 780
aaacanncat tcccttnatt tnnantattn ttncctngcn aaatcnnt ntntnnaatn 840
gnnnattent cntttacctt nnannnggnt aattatannt tgggcnatgt gtttcttncc 900
tgncgacct ncaacntnc tgtaattatt ntttanttng gtantnttac atccnncann 960
tntnttaata nnatncntg tccnanttna ttaatnnnta ttnnnactaa antatncnt 1020
caattentnc ntccg 1035

<210> 1136
<211> 1124
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1124)
<223> n is a, c, g, or t

<400> 1136
ttnagnccta nnntgnntcn ntntnnaaan gnannacnt ntagaactag tggatcccc 60
gggctgnagg caancgaca cnaggnntt ctgggncant agcaaaagta tccctnttta 120
ggggnatntn natggtnga ntngaannng ttnaaaacga tnngaacgnc ttgntctaaa 180
aggctnggn ncannnnccg gaaaanngac anancctanc tnttttgnnt ngcttaancn 240
acntnntttt aanctaagnc nngncnnntt nanntncncn cnagggnatn gngncannna 300
nngtnccnan agnaanagat cggcatttn ntatancgn gnganngcgt cnatcctatt 360
ttttgtgnng ggcnaaatgg ngtgacaann tagnnngggc nnatgaangg cctcattnat 420
anntngnan tcacaacagg ggtanntttt ntngtnntnn gaancctngnt ngccatnt 480
tgnaaagnt ntgtccaaa ananttataa aanntntna cnacgcctt tgngcgagng 540
tccccctta ntntntngt gtcnggnct ntgcaacncn cnnaagtaan taannaagan 600
ctctcatnnn ttagnnnncn anattgncat atnntnctt ntatcccta atctctatgn 660
annanccan nntnctcann attntttcca acaattccnc tttnttcnn ttanctntc 720
gnnanccatn tntncnaaa gtagtcgng atnnnattat tnccgcctn ngngatnt 780
agttnggtt ntcnnntnn ntattngaa ncnntcttc atttgactcg cctnnatntn 840
ntntagcctt acttangaac acntnaactt tcttnactnt attctctnt tttncgncna 900
tggctgctcn aaanacntn tctttctcna atgacannan tcggnnncan attntatta 960
ggtnnnttac nctngtnnc nccttttta tctntttntc nnnntnnann nctnggatc 1020

gacnctcgct ttnnnntgnc aaatcccnct antttnnncc canatccnccg cncntnnnnca 1080
 nanngttnat nnttattnag anntcccnnn acatntntnc nncg 1124

<210> 1137
 <211> 1124
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1124)
 <223> n is a, c, g, or t

<400> 1137
 ttnagnccta nnntgnntcn ntntnnaaan gnannacnct ntagaactag tggatccccc 60
 gggctgnagg caancngaca cnaggnnntt ctgggncant agcaaaaagta tccctnttta 120
 ggggnatntn natggtngga ntngaannngg ttnaaaacga tnngaacgnc ttgntctaaa 180
 aggctnggnn ncannnnccg gaaaanngac anancctanc tnttttgnnt ngcttaancn 240
 acntnntttt aaactaagnc nngncnnntt nanntncncn cnagggnatn gngncannna 300
 nngtncnan agnaanagat cggcatttnn ntatanengn gnganngcgt cnatcctatt 360
 ttttgtgnng ggcnaaatgg ngtgacaann tagnnngggc nnatgaangg cctcattnat 420
 anntnggnan tcacaacagg ggtanntttt ntngtnntnn gaancngnt ngcccatnt 480
 tgnnaagngt ntgctccaaa ananttataa aanntntna cnacgcctt tgngcgagng 540
 tccccctta ntntntngt gtcnggnnt ntgcaacncn cnaagtaan taannaagan 600
 ctctcatnnn ttagnnnnncn anattgncat atntntnctt ntnatcccta atctctatgn 660
 annanccan nntnctcann attntttcca acaattccnc tttntntcnn ttanctntc 720
 gnnanccatn tntncnanaa gtagtcgngg atnnnattat tnccgcctn ngnggatnt 780
 agttgngttn ntcnnntnn ntatttngaa ncnntcnttc atttgactcg cctnnatntn 840
 ntntagcctt acttangaac acntnaactt tcttnactnt attctcntnt tttncgncna 900
 tggctgctcn aaanaccntn tctttctcna atgacannan tcggnnnan attntatta 960
 ggtnnnttac ncctngtnnc ncctttttta tctntttntc nnnntnnann nncnggatc 1020
 gacnctcgct ttnnnntgnc aaatcccnct antttnnncc canatccnccg cncntnnnnca 1080
 nanngttnat nnttattnag anntcccnnn acatntntnc nncg 1124

<210> 1138
<211> 966
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(966)
<223> n is a, c, g, or t

<400> 1138
tnnnnaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcggcacgag gccctcctccc ccgagcgccg ctctggccgc actgcgctcg 120
ccctgagctc cgggctcctg ctaagccagc gccgctgtcg cctccctcca gtcgccatca 180
tgatcatcta ccgggacctc attagccatg acgagatggt ctccgacatc tacaagatcc 240
gggagggtcgc ggacgggctg tgtctggagg tggaggggaa gatggtcagt aggacagagg 300
gtaacatcga tgactcgctc attggtggaa atgcctccgc tgaaggcccc gagggcgaag 360
gtaccgaaag cacagtaatc actgggtgtc gatattgtca tgaaccatca ctttgcagga 420
aaccagcttt caaaaaagaa gcctacaaga agtacatcaa agattacatg aagtcaatca 480
aagggaactt tgaagaacag agaccagaaa gagtaaaacc tttatgacag gggcttgcan 540
aacaaaatca agcccatcct tgttaatttc aaaaactatc agttctttat tggtgaaaaa 600
catgaatcca gatggcatgg ttgctctgct ggactaccgn gaggatggng taaccccata 660
tatgaatttt ntttaaggat gggttaaaaa atgggaaaaa tgttaaccaa agttggcaag 720
ttacntttgg aatcaaatca ccttgctcggc ataaactggc tnggctactg ggttttcatt 780
cccccccacc accaggactt taaacagaan gggaactgga tgtcattctc gagcttttta 840
ntttggtttg aaccgttgan ttaatttgga gcgggnggcc tttgtttttt ganaaaaacg 900
ggtcatggga ggggtggctta aaaaanaaaa cnccttttaa acttcnttgg naaaaaaaaa 960
aaaaaa 966

<210> 1139
 <211> 1062
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1062)
 <223> n is a, c, g, or t

<400> 1139
 aanagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatnc ccgggctgca 60
 ggnangatch ancnngtcct gcccaaaaaa caaangcnta atcggcccat nggttaatgg 120
 attcgnnatg aaaactgcc a gntataatca ggtacaactn cangagaaga cattggataa 180
 agaaccaagc tgnnctatna taagcangct ggggtctatga nangtggcct taacatgnag 240
 accacttttt ttaagcannc anatgacatt gaaaacntca cttactgnnn tgcntcggcc 300
 catgangtta tttccttact atnaggnttg aaacccatcc aataaatnta aancnnggc 360
 aaaaaaaaaa aaaaaaantc cnngggggnc ccctnnncna nanantccct taaagtaaaa 420
 ttgtttanan agancantcn atcttgnggc tttntttnc cncntngca atncatncan 480
 gnntnncccc cnttgnggn ntttttncnt ttatanntcn tncnnncttn ggggctnntc 540
 tcgnanttnc tntnnentat nccanttnnt tntcctnag nctaaaaaan catcctnta 600
 aancnnatt anaaanncac actnngnnan cantttatac nnntcntcac tcggaangaa 660
 nncttnttat tttnttttta acgncaatat tnnnnttnnn tccctctatt catnggtag 720
 gantcttatt ataattctct nttngtncc nnngagann nactatttn nntctcaant 780
 cnncttctt anncatntgt tcnnnnncnc tatttttttn ttengangga nncttnncnn 840
 ctctnnatt ntntcttaaa ttncgnntt nattcttatt tntcgcctnn canacnnncn 900
 nagagactan cttttatctt tattcntttc tcnntcatta naanncttca ttttctntt 960
 nacttcatt anttngttgn gnntcttcnn ctctcttttt acnnatgtat tcttnantnt 1020
 nngnctgntt tntctacgnt ngaacntctc cnnntcccn cg 1062

<210> 1140
<211> 1049
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1049)
<223> n is a, c, g, or t

<400> 1140
ttgnanacaa tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
ggctgcagga attcgatata aagcttntcn ntaccgtnga cctgganggg gggcccgggt 120
cncaattcgn cctatagnn nncggantac agtgggaacg gcgtcacaat gatgactgga 180
cggcagggcc gagctacctt ccagttcctg cctgatgagg cccggagcct gccgccgccg 240
aaactgacgg acccgcggtt ggcccttcgta ggcttcttgg gctactgctc cggcctgatt 300
gataacgcga tccggcgagg gccgggtgctg ttggccgggtt tgcacgcga gcttctatat 360
attacttcct ttgttttttg ttggatatta ttttttaaaa acgtcaagac tatatgtatg 420
cttgtgaggg accacgatat gttctcatat ataaagtcac catncagagg atttccctg 480
aaaaaagata agaaaaactt acggggaagn tttttgaaga aattccatcc aggggcgttg 540
aagttcttnc aaaatggttt tgccctcccg ttttaattgat acaagttaat tttctgnaat 600
tttnggtgga actggtttct tatgaacatc ttnaaagttt tatgtttnan ttttctttaa 660
ccgttttaac ccccttgntg attaaaaatt ggtcnattnt aaaaaaaaaa aaaaaaaaaa 720
aacntntnng gggggggggc ccnccnccncc ccnntntttt tcctntnttt tgggangctc 780
cnnnnatcc nctntntttt cccctnnntt ttctntacnt cttntntttt cttncnanc 840
ncnatnctc ttgctntnt nctnctact cttntntttt tcnnccntt tttntcnntt 900
ntacctnnn nattntnnn nccnttant nnatntcnc ntgtctctnc tnttttttn 960
tnattctntc actttctcct tctatctntc atctcnctca attcacnct cttttan 1020
ttttcttttt tntntcnat tncctnct 1049

<210> 1141
<211> 987
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(987)
<223> n is a, c, g, or t

<400> 1141
ttgagnccat anggagntgc annncngtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggct gntgnggnat ntggaacann tcgntgtact gaggcngcgg ncgctgancg 120
ctcanggagg gcctgaaggg accccggcag cggcccccg agtgatccag acacttccaa 180
naagggggcg ncgccacctg tgtatatnac ctctgtgtac cactgctaca cttancanct 240
tttttacttt tgaggctttg tnnatgtcct gaagctgcct gnnaattgtc ctttnggggc 300
tgacgtcacn tgtangggcc ntgtgagtgg gccnngggga ctgcaaggca nggccccct 360
tntgntgntn gngggctctg cttgctcatc caggcctctc ctggggggcca ccagngccg 420
cccantccaa ctgcaccac gcgccgtcc ccatgagcga cacacacggc tcagcctttt 480
tttaatacnt gatccttttn cggccacctc gctntggagc cgngtctacc agcagnctta 540
tgccctnaac ncgcaccttt cntttntaac gctttaannt taattgtgat tnccatcttg 600
gaaaagtcct tcaataaaag annngaaaaa cccaaaaaan aanaaaaaaa aattttggng 660
gggggggnac ccgatcccc ntttggcccn tnaanggggg atntctttnt anaaantngt 720
aggnaaanaa nnttnnggnn nngctnaaaa cttttaaatn nggnnggnan ttnntanaa 780
aataataccc ncacctnttg naaaanngat tttaaattggg aanaaattgg gcaanacnt 840
tttnngncnt tngncccttc ggaaannga antgnnacnn aattttaann nttntttanc 900
ggnnnttttt nntnngangg aacctntgaa nncttntntt ttatgggttat ntttncaagn 960
gntnntagtt ttntnggnta aaaaatn 987

<210> 1142
 <211> 1007
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1007)
 <223> n is a, c, g, or t

<400> 1142
 gcctatctgg agctncaccg cngtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggct tgggtgataag gctccaccaa agcctgtacc caagactatt 120
 gacaaccagc gagtatatga tgaaaccata gtagatccta atgatgaaga ggttgcttat 180
 gatgaagcta cagatgaatt tgcttcttac ttcaacagac agacttctcc caagattctc 240
 atcactacat cagatagacc tcatgggaga acagtacgac tctgtgaaca gctctctaca 300
 gttataccaa attcgcatgt ttattacaga agaggactgg ctctgaaaaa aattattcca 360
 cagtgcattc caagagattt cacagacctg attgttatta atgaagatcg taaaatacca 420
 aatggattaa ttctgagtca cctgccaac ggccaactg ctactttaa aatgagcagt 480
 gttcgtttgc gtaaagaaat taagaagagg caaagacca acagaacaca taccagaaat 540
 aattttgaac aattttacaa cacgactggg tcattctatt ggacgtatgt ttgcatctct 600
 ctttcccat aatcctcagt ttattggaag gcaggttgcc acattccaca atcaacggga 660
 ttatatcttc ttcagatttc acagatacat attcaagagc gaaaagaaag tgggaattca 720
 ggaacttgga ccacgtttta ccttaaaatt aagatctctt cagaaangga acctttgatt 780
 ctaaatatgg gagaatatga atgggtccat aagccccgg ggaaatggga tccagtagaa 840
 gaaaaattca ttttatnaan ggactggaga aggatggtat taaactgggc tggaaccagg 900
 cctggagttt ttgaaaacaa gancntntca aaaatggncg gttactggat ttttttaaac 960
 cggcttttct tttctggacc aaaggngcaa ggggccttga atttnct 1007

<210> 1143
 <211> 1019
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1019)
 <223> n is a, c, g, or t

<400> 1143
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 caggaattcg gcacgaggat ggcacgtccc cagtgtgggg atgtgccgtg cttcctgaat 120
 tagtgtattg taggagttgc tgccccattc tgctcttcat tgtgagagag gttacaccca 180
 cttataatca gtattttcct ggcactaaaa cagcagggct ggtatttgct gctgctttcc 240
 cagggcaggg tcccttcttt tcggcacttt tgaacacttg caagacacag ccctgttata 300
 taacgggtgg caggcatgtg tgtctgcact cgctctttgc cactattttg ccctgtctca 360
 tgccanagag ccctgtccct gccaggccct gccttcccag ccccaacttg ggaccaaagt 420
 gcaagacggg atcacaggtt ggggtgtcca agtgaccctt ttctataagt gcttccgtgg 480
 gccaaagtga caccagcccc ctanccgngt gggatggncg gngcttaaag aggaagggga 540
 ccagtgtagc aaccttgcca gggacccac cccctccctt acatccggac cctgtgcagt 600
 gggccgtggc gattctccaa aaggggccaa aagcctgggc ttgctcngta ttctctgctc 660
 ccttgctctt atcnggtcnc catgcacact tctaagantg ccaaattgct tttgaacttt 720
 aaaaactggg cannnntggn ttcccntttg gaccnanttt taaaaaang ttctnaatng 780
 ggaaaaaatt ngnggggaaa aacnntnggn taaanggcnc cgggntcctt tggcttntcg 840
 ggggaaaaan acangncct tttccggagg gaaccnctt tttcncacn ttttcngnan 900
 ggtncctaaa accctgtcca cccccctncn aaanccttn gcccnnganan tnnnncccg 960
 ggttctcnnt aacctntntt gggcccngg gtgttttttt ntcgganaat ntctgnnnc 1019

<210> 1144
 <211> 967
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(967)
 <223> n is a, c, g, or t

<400> 1144
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 gcaggaattc ggcacgaggg gcagaaggtt cgcgaggagg tggttaccgt gggcaattct 120
 gttgaccagg gcctgagtca gcccacagat gactcctgct tcgacccta caccgtctcc 180
 cattatgcca ttggagagga gtgggagcga ttgtctgatt ctggctttaa actctcgtgc 240
 cagtgcctaa gctttggcag tggtcatttc agatgcgatt catctaaatg gtgccatgac 300
 aatggagtga actacaagat tggagagaag tgggatcgct agggagagaa tggccagatg 360
 atganctgca cgtgtcttgg aaatggaaaa ggagaattca agtgtgatcc tnatgaggcc 420
 acgtgctatg acnatgggaa gacttaccac gtgggagaa acgtggcagaa ggaatatctt 480
 ggtgccattt gctcctgcac atgctttgga ggccancggg gctggcgctg tgacaactgc 540
 cgcanacctg gggctgaacc cggttacgaa ggctccactg nccactccta caaccagtnt 600
 ttcccagaga tncncatcan aggaacaaaa cactaatgtc anctgcccac tntgantgct 660
 tcatgccttt gggatgtaca gggctnacng agaagaattn cccgagangt tatttttttc 720
 ncaanccan agnaaacntn gcgttggnnt tcttgccana ggtnccantc ccaaantcgg 780
 gantgggggt tnnactacc ccccttgntn aagtgggngc cctttctttn agccntttn 840
 ncttntggnn nnaanttttt ttcngttttt ttcntcaac cccncccttt tttccaagcn 900
 ntnaaanccc tgggaggngt tttttcaaga cttttttttt cattanattg gggnnccaag 960
 ntaggtn 967

<210> 1145
 <211> 982
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(982)
 <223> n is a, c, g, or t

<400> 1145
 tttnagccta tntggagctn catnnengtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg aggctgnatt gncctannc anggctgctn cnnggatgnc 120
 attaaggtnt tctgcaacat ggaaaccggt gagacctgtg tatacccnan tcancccanc 180
 gtggcccaaa aaanctggtn tntnancaan anccccangg aaaanaggcn cgtttggtnc 240
 ggcaanancn tnaccggngn attccanttc aantatggng gccaggggtc caatcntgcc 300
 aatgtggcca tccagttgan tttcttgccg ctgatgtcca ccgaggcctc ccanaacatc 360
 acttaccant ngcaagaaca gtgtggctct anatggacca gcanactggn aacctcaana 420
 aggcncctnct tctncaggnc tnnaangata tcgatatcng ngccgagggc aacagccttt 480
 tcatntacag tgtcanntan tangngtgca ngantcacac cggacnntgg ggcaanacag 540
 tgatnanata caaccacccn caaganctcc cttnttgcatt cattatatga tnggcccccc 600
 tttgggacgt tggcccccca acaccaaaga aattctgctt ccgacgttgg cccttgccctt 660
 gctttctgga aaactttctt nccacnacia ntgttggttt ccttcccacn ccaanacct 720
 ttttgccctnn tnantnttgg naaacaagaa caaaccccc cttgcttggc cccccccgn 780
 aacngcccaa aaggntggga aaactttttt ntcgtnggnc ntttngaaaa attttttttt 840
 tttnttttgc attcnttttn ttcaaaaatt aatttttttt ttttttgacc aanttggtcc 900
 ttgaacaaaa aaccagggg ttcnntcctt ncttaacaaa aaaaaaaaaa aaancttngg 960
 gggggggggc cccccnccc cn 982

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<210> 1146
<211> 982
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(982)
<223> n is a, c, g, or t

<400> 1146
tttnagccta tntggagctn catnnnngtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcagga attcggcacg aggctgnatt gncctannc anggctgctn cnnggatgnc      120
attaaggtnt tctgcaacat ggaaaccggt gagacctgtg tatacccnan tcancccanc      180
gtggcccaaa aaanctggtn tntnancaan anccccangg aaaanaggcn cgtttggtnc      240
ggcaanancn tnaccggngn attccanttc aantatggng gccaggggtc caatcntgcc      300
aatgtggcca tccagttgan tttcttgctc ctgatgtcca ccgaggcctc ccanaacatc      360
acttaccant ngcaagaaca gtgtggctct anatggacca gcanactggn aacctcaana      420
aggcnctnct tctncaggnc tnnaangata tcgatatcng ngccgagggc aacagccttt      480
tcatntacag tgtcanntan tangngtgca ngantcacac cggacnntgg ggcaanacag      540
tgatnanata caaccacccn caaganctcc cttnttgcac cattatatga tgngcccccc      600
tttgggacgt tggcccccca acaccaaaga aattctgctt ccgacgttgg cccttgccctt      660
gctttctgga aaactttctt nccacnaca ntgttggttt ccttcccacn ccaanacnt      720
ttttgcctnn tnantnttgg naaacaagaa caaacccccc cttgcttggc cccccccgn      780
aacngcccaa aaggntggga aaactttttt ntcgtnggnc ntttngaaaa attttttttt      840
ttntttttgc attcnttttn ttcaaaaatt aatttttttt ttttttgacc aanttggtcc      900
ttgaacaaaa aaccagggg ttcnntcctt ncttaacaaa aaaaaaaaaa aaancttngg      960
gggggggggc cccccnccc cn                                              982

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<210> 1147
<211> 952
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(952)
<223> n is a, c, g, or t

<400> 1147
ttganaanag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttccggcacga ggcccntccc cccgagcgcc gctctggccg cactgcgctc 120
gccctgagct ccgggctcct gctnagccag cgccgctgtc ncctccctcc agtngccatn 180
atgatcatnt accgggacct cattagccat gacnagatgt tctccgacat ctacaanac 240
cgggaggtca cggacgggct gtgtctggag gtggagggga agatggtcag tangacagag 300
ggtaacatcn atgactcnnt cattggngga aatgcctccg ctgaangccc nganggcgaa 360
ggtaccgaan gcacannnt cncgtgtgnc antattgtcn tgaaccatna cttgcangaa 420
accagcttca caaaagaagc ctacaagaag tncatnaag attacatgaa gtcaatnaaa 480
gggaaacttg aagaacagag accagaaaga gtaaaacctt ttatgacagg ggctgcataa 540
caaatcaagc acatccttgc taatttcaaa aactatcagt tctttattgg tgaaaacntg 600
aatccanatg gcatggttgc tctgntggac taccgggagg atggtgnaac cccatatatg 660
attttcttta aggatgggtt agagatggna aaatggtaac aanagttggc agttactttg 720
gatcaaata cccgtcggca taactgactg ggtactgggt tttggttccc ccagcacccg 780
gggttaggcg gaatgggact gntgnnaaan tngggctttt ttnttttggt tttgaacggt 840
nnaattttatt tggnggccgg nggcnttgt ttttnaaaaa ancngccnt ggangggtn 900
gccaaaaaaa aaaaccccggn ttgaaactta tttggcaaaa anaaaaaaa at 952

<210> 1148
<211> 1009
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1009)
<223> n is a, c, g, or t

<400> 1148
ttgaanaaca anctggagct ccaccgcggt ggccggccgct ctagaactag tggatcccc 60

gggctgcagg ntgggctcaa cctggcntct ggagtttagt ccccgcnctg ctgtgngcgn	120
agctgntgtc tgcttntagg gncgcagnga ctgctgtcgc atcgggatct tgatcgtgat	180
gggtacaaag gcgaaagtcg gcagtacaga gttgcttctc ttcacgtcga tgatcctgtg	240
ctccctggca ttgggcaggg gtgcggtgca aacctatgaa ccggtagtca gagtncctga	300
gaataaccct gccaaagctgt cctgctccta ctcgggcttc tctcgcacac gtgtggagtg	360
gaagtttacc catgnggata tcagaggtct cgtttgctat aacaacaaaa tcaactgcttc	420
ctatgagaac cgagtgcctt tctcggatac tggcatnacc ttccattctg tgacccggan	480
agacacggnn atgnatacct tgtatggnet ctgatgaggg cggcaatacc tacggggagg	540
tcaccgtcca gctcatcgtg ctctgcctc catcccaagc ctacaatcaa cgtccccttc	600
tntgttacca ttggaacccc gaactgtgct gacctggtn anaaaagaaa tggccttccc	660
cccccatctg aatacaagtg ggttcaaggg attggagtta aaaaatgcct tttgggaacc	720
ccaanannca aaccgnggcc ttttnagcna aactcttttc ttacaccctt gaaacaaaa	780
aaaananggg gaagttgaat cttttgatcc ccngtctngg ccttttgaca cttgggaana	840
attcacctg gtcaggccac annaatgggc ttttgcnttn cccccnnga aattcnaaaa	900
cncccggggc cccaatggga ntgctttngg gangctttaa ttgtttgggg gggcaatcnn	960
gggccaanacc tttntttttg gaaanacntt natttttntc ngggaacct	1009

<210> 1149
 <211> 1426
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1426)
 <223> n is a, c, g, or t

<400> 1149	
tttganaaan tnnnnntggg gcnnnnnnnc naggggtann acacttatag gantgcgtgn	60
ngacanacnac gggctgctat gnaatcctta acnntntac cttttctcct cattnanntc	120
tgctnccctt ccttangggg nctttntna anntgacttt tannccnana cccccacnnn	180
nacatttate anacncttan nntnaccttt atnnncactc antagntntc ancacatnnn	240
cctctcnca ctgatnctn gacncacctn actntnttn tttnnctttn cgtanaannn	300
tttattnat nnaacatca ntttaaccnn gcntctntnc acgacannct nttntncacg	360
tnanacatg ntnttnnctc tacanccntn natttnctc aaactnnan nagccnnna	420

nancnntgac gtnnnccacn ctantatnnc tatctntnnc anccncngtc nnatnagtnt	480
ctttacntca catganannc nntnganent nncatgtcta cnnancnctc tctnctctc	540
tcnntcatc nnnngatatn ntntntcnnc tnacncncnc nantctcana cccngntact	600
ncttanacat gactnacctc natcntnann ttgcncnnc ccttcnnaat nntntntct	660
ctnnntcttt nnnactctan cnntnacgt nctnnacctt aanattcntn tttntntacn	720
gncaagnnna ctnnncngtg atnannngnn actcnggcta natccnnnt anattctant	780
ccantnnntn cgtctanctc acgtanacnc tccgactntc nachactata tntgntnta	840
tgancaacta ntncatnng nactatgana taacncattc nctagtacct acnantcagt	900
atcngtagcc ntcttannntn ntaanntcta cngatntgga nntcactagt antcncgten	960
ncnngattn tacaagattc nntactccn ctaacnatnn nactccaata cgtncnctaa	1020
gncnacnntn nctntccaat tactnntaat cnccntnt atctcgannc ncctntncna	1080
ncgangnaan ntccancccn tacntatnta atgannctnn tntnganttn tattagtntc	1140
attncttgta cctntacntn gagcnattat ctngcactac gncnaagtta tnnacnnct	1200
ncnnactann aantntatg ctatananct acncntatc tncncnctt cntctnncta	1260
agtannntgg anntactant atgctatnta cnnncntat ntacactcac tggatnatnt	1320
nctacttccc ntncanttta cacnctangn tctcccgaaa gnnccgccc tctaattacc	1380
annctctct ccancgnncg tnngnancac acanaacatc tacgn	1426

<210> 1150
 <211> 1021
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1021)
 <223> n is a, c, g, or t

<400> 1150	
gcctataggg agnngcatta caggggncgg ccgntctana actagtggat cccccgggct	60
gcaggattct gcccgtaatg actgtggtgc tgccagaggg atttttttcc ccctttcaat	120
ggttttactt aagttactgg ataagcagtt gagtttacat taaaacaatg aaatgctata	180
tcttgtctat attctgcctc ttccaaattg gatgtttttt ttttttgga aaaaattttc	240
nnttccttna naannttttn anggggggnn nggnagaaan gggntaaaaa aaaaccgnnc	300

nncctttnaaa nccccngggg naccnngggg gcnnncntt nnnnggggtgc cnnaaanng	360
nnncnaatnn anggnnnntna cnnnacnana ccttcccntn nnnnnggaan ggnggggng	420
naccaaancn ttncnngtgg caangntnn nttaacnncn aaantntct tnattaanat	480
angnancccn ngcntanccn nngnccctaa ntaaaanng gcccggtng nacntttat	540
ngaaaagnaa nggnaccccn ncttncnant tttttnnann nnttttttg ncccccccn	600
tngnggccnt ntttttaacn nngggngngg ggaaancctt ttgnaaanng aggaatnnct	660
tcttnaagga ttttnngatt tcnccttg nccnnanan tntagccan ttttgggna	720
aaaaactang gggcnnnng nngtaaanc caaangggaa aaaanggcnc gnctcnggt	780
tttnnaacc ccaaaggggn aaaccggt nntgcgngg gtncctncg gaaaaaatn	840
ggggttnnc cccccnccc ctaannttt tttttanaan gttttnttt tttnggcttc	900
caaaanncna cccntgggg cnanttatch tntaaaaan ggnttcccc ctnaanaaaa	960
aaatannttc cccaaaacnt gcccnngng naaaanntng ncnnancagg aaattttnac	1020
c	1021

<210> 1151
 <211> 1034
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1034)
 <223> n is a, c, g, or t

<400> 1151	
tgagcctant ggagngcat nncaggggcg gccgtctag aactagtga tccccgggc	60
tgcaggaatt cggcacnagg ntccagcgtg cctgctctc agccatggng ccctccagga	120
agttcttcgt tggggggaac tggaanatga acgggaggaa gaacaatctg ggggaactca	180
tcaacactct gaacgcggcc aaggtgccag ccgacaccga ggtggtttgc gcacccccca	240
ccgtctacat tgacttogcc cggcagaagc tagatccaa gattgccgtg gctgcgcana	300
actgttacia agtggccaat ggggccttta cgggggagat caaccctggc atgatcaaag	360
atcttgagc cacgtgggta ntctggggc actccgagag aaggcatgtc tttngggagt	420
cagatganct gattgggcag aaagtggccc atgcccttg canagggact ttggagtnga	480
ttgctgcat tggggagaag ttacatgaga cggaagcttg gcatcacgga naaggtccgt	540
tttccgagca aaccaaggtc atcgcanata acnttgaagg attgnaagc aagggttgtc	600

ttnggcctat tgagccctgt gtggggccatn ggtcctggca angacgngcn acccccgtag	660
cagggccccag gaangtcacn gaaaannctc ccgggggatgg nttaaagtcc aacnttctnn	720
tnatgcnntg ggctnanaac cgccccatt cnttttattg gggnttctng tnancggnnn	780
caaccctgca ataggaatth tgcnagcca ccntggatg tgggatngcc ttttcttnt	840
ngggggcggg ncttttncnt caanacntn nntttnttg acnncnnca aatcccnaaa	900
cantaantcc ttgtntnttt ttactaccc tttntnctn anccngggc cttntnaten	960
ttnnntaacn ctttttattt tacttngccc ccggacttn caanatgtn ntcgggnngt	1020
ttcnctnacc cncn	1034

<210> 1152
 <211> 933
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(933)
 <223> n is a, c, g, or t

<400> 1152	
naaaagctgg agctccaccg cgngggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggattctg ccgtaatgaa ctgtggtgct gccagaggga ttttttccc cttttcaatg	120
gttttactta agttactgga taagcagttg agtttacatt aaaacaatga aatgctatat	180
cttggtata ttctgcctct tccaaattgg atgntttttt tttttngnaa aaaattttnn	240
nntnctttnn naatnttttnn nnggggncta gggannaang gggtnaaaaa aaancngccn	300
ncntttnaan nccccnggn acccngggg nctnccnnnn ntggggtnc nnaagncgn	360
ncccaacnga aggnnctnan cnnancanac cntnccctnn cnnngnaag gntgggngn	420
ancaaacct ttcnntngc canggnngn ttaaannca aanttttctt tantaaaann	480
gnanccnng cntaacnnn gtcccnnaat aaaaaaggc ccnggtngn ccctttantg	540
aaaagnaang gnanccnnc ntccanttt ttttnacnan tttttggnc cncctttg	600
ggccccnttt ttnacagggg ggggtgaaaa ctttttgaaa nnnggggtnc cacntnaang	660
gattttnggt tttttcccc ttgccccaaa anntntttcc nnattnggga aaaantaagg	720
ggntntttgn gngcnaacct annggggaaa aaagggggc cccnggngt tttttaccc	780
ccnaanggg ggaaaaccn cnttnttng ggggggtnc ccnngcnna aaattttgng	840

ttttntnccc ccccccccn aaangttttt ttttaaaan nntnttttt ttggnctccn	900
aaaaactacc ccccnngggg nntnatnttt ttn	933

<210> 1153
 <211> 955
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(955)
 <223> n is a, c, g, or t

<400> 1153	
ttnagnntat ctggagctcc ancncngtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggan ttcggcacga ggcttcagcg tgcttgcctc tcagccatgg cgccctccag	120
gaagttcttc gttgggggga actggaanat gaacgggagg aanaacaatc tgggggaact	180
catcancact ntgaacncgg ccaaggtgcc agccnacnc naggnnggtn gccncccc	240
caccgcntac nttgacttcg cccggcaaaa nctaaatccc aaaatngccg nggntgccca	300
aaantgttnc aaannggcca nnggggctt tacggggaaa atcaccttg gcntgatcaa	360
agatcttgga gccactgtgg gtagtcctgg ggcactccga ganaangcat gtntttggg	420
agncananga nctgattgcg caaaaagtgg ccnatgcnct gacagaggca ctnggagnga	480
tngcctgcat tggngaaaat ttatntgagn gggantctgg natcacggaa agggtttttt	540
ngacanacca gggatatcat atnacgtgaa ttattggaac anggttnttt tgcctatgac	600
cctgtgtggn ccattggtct ggnaagaacg gcaccccgca agggccnaag gaagtnca	660
aaaagcttcg ggggatggct taaccaccac cttttntgat gcgggggata aaaaccccc	720
atattttat gggggttttt ggggacggng gccaccctt ggaaggagc ttggcccncc	780
cncccgggg ggggntggc tttnttggg gggnggggtt cttcccttc aaagccttgn	840
ntttgntnn ncttcatnn nnnggccaa aaaantnng ccctggtttt tttttaact	900
ancctttcct ggnnnanncc naggggnntt ngnttnttt aaanaaacn ttntt	955

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<210> 1154
<211> 955
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, c, g, or t

<400> 1154
ttnagnntat ctggagctcc ancncngtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggan ttcggeacga ggcttcagcg tgctgtctcc tcagccatgg cgccctccag 120
gaagttcttc gttgggggga actggaanat gaacgggagg aanaacaatc tgggggaact 180
catcancact ntgaacnagg ccaaggtgcc agccnacncc naggngggttn gccncccccc 240
caccgcntac nttgacttcg cccggcaaaa nctaaatccc aaaatngccg nggntgccca 300
aaantgttnc aaannggccca nnggggcctt tacggggaaa atcacccttg gcntgatcaa 360
agatcttga gccactgtgg gtagtcctgg ggcactccga ganaangcat gtntttgggg 420
agncananga nctgattgag caaaaagtgg ccnatgcnct gacagaggca ctnggagnga 480
tngcctgcat tggngaaaat ttatntgagn gggantctgg natcacggaa agggtttttt 540
ngacanacca gggatatcat atnacgtgaa ttattggaac anggttnttt tgcctatgac 600
cctgtgtggn ccattggtct ggnaagaacg gcaccccgca agggccnaag gaagtncaaa 660
aaaagcttcg ggggatggct taaccaccac cttttntgat gcgggggata aaaaccccc 720
atttatttat ggggggtttt ggggacggng gccaccctt ggaaggaggc ttggcccncc 780
cncccggggg ggggntgggc ttttnttggg gggnggggtg ccttccttc aaagccttgn 840
ntttggntnn ncttcatnn nnnngcccaa aaaantnnng ccctggtttt tttttaact 900
ancctttcct ggnnnanncc naggggnntt ngnttnnttt aaanaaacn ttntt 955

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<210> 1155
<211> 986
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(986)
<223> n is a, c, g, or t

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<400> 1155
ttnanaannt ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60

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gctgcaggaa ttccggcacga gggccgagaa ggcaacatgg gtcaccagca gctctactgg	120
agccatccga gaaaattcgg ccagggttct cgctcttgcc ggggtctgctc caaccggcac	180
ggctctgatcc ggaaatacgg cctcaatatg tgccgccagt gtttccgcca gtatgcgaag	240
gacatcggct tcattaagtt ggactaacca aacttcctta gatggctcat ccagcacatc	300
aaccttaggc ggaaacaata ctagctcttt gtatataaaa taaaagtttt caaaacttca	360
aaaaaaaaa aaaaaaaaaa aaacncnngg ggggggggnc cgggcccna nttccntnn	420
ngggggggnt naaanaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnnnn nnnncn	986

<210> 1156
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1156	
aacaaanctg gagctccccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcg gcacgagggc cgagaaggca acatgggtca ccagcagctc tactggagcc	120
atccgagaaa attcggccag ggttctcgct cttgccgggt ctgctccaac cggcacggtc	180
tgatccggaa atacggcctc aatatgtgcc gccagtgttt ccgccagtat gcgaaggaca	240
tcggcttcat taagttggac taacaaact tccttagatg gctcatccag cacatcaacc	300
ttaggcggaa acaatactag ctctttgtat ataaaataaa agttttcaaa acttcaaaaa	360
aaaaaaaaa aaaaaaaaaa nccntggggg ggggncngg ccccanttc ccntnnngg	420

ggggngggna aaaaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnc	993

<210> 1157
 <211> 969
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(969)
 <223> n is a, c, g, or t

<400> 1157	
tnnanaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggng nnaaggntga gnnnccnnat nctnangana aacaacctga anccnagaag	120
gctgntgctg gcaanaangc taaaaagggtg nacanggtag aagcaatgtt aagaagggga	180
agccnactg cagccgaaat cctgtcctgg tcacaggaat tggcanatat tcccgatcaa	240
ccatgtactc cagannggcc ttgnacaaca taangtattc ancnnctaaa tccnggggtca	300
aaaagaaaan gaangttcgn gttcttgcta ctgtcacaaa nccanttga ggngacnnna	360
atggnggtac cccactggtc aaacttcgna naangcctag gtattaccct actnannatg	420
tgccctgaaa actggtgagt catggcnaaa aacctnecat taagcatgtn aggaatctgc	480
gtgccagcat cactcctggn accatnctga nctccttac tgggcgcnan atangcaaga	540
gggtcgtntt cctgaaccgg ctgngcagtg gcttgctact ngcgactggg cctctatccc	600
ttaatanaag ttcctctgcy tagaacacac cananntttg gcattgccac ctcccccaan	660
atcgatntca gngntgtnaa aaatcccaga acatttcact tgacccttac tttaaanaaa	720

aaaaaacctg cgntgnaccc cnaanaccgg ggagggcgna aatcttggnc cccgaggaga	780
ganattttcc acnttccccg ncccccncc anggggggat cncaaaaagc tgggganccc	840
aanaaanttt tgcgnaaaaa ncnaaaggtg gcccttnnct ttcanggggt taccttcggg	900
tnccggtttt ggctttccna aaaanggant ttntnccncc ccnaaaaaat ttggttttna	960
aaacttttt	969

<210> 1158
 <211> 964
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(964)
 <223> n is a, c, g, or t

<400> 1158	
ttganacnat ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggaa ttcnngncca ggctccnnt nctttgntgn nnnaaccngn nncnngnnc	120
gcngnngctg nagnantgc tagaacagcg gggaaagnga tncttctcnt nagccagang	180
gtgctgtggn cctcctatga tctgtgnaga ggactangcg tataatntcta nattacacat	240
gtggnctaaa gatgcennta ctnnnacatc cttttntggg ctnactccac cnnccactgc	300
gataacctan ttccagccgn accacacngn ctnaagcgna ccatgatngn gacgtnaccn	360
ntggcaccn tgngntnaaa nncagaaaan ggcnnnggca ttactnnntt gaagaaggcc	420
ncccaanann gctnaaccat nacacnnaac nnttcnatac cnnntntcg natctgtatg	480
anccaatgan tgctgggncc atgntagctn tgnngnctgg gcgcaggna tgccagagga	540
ntgttttccn ggcaccctta cncctctgnc tacttntnn tngcccatct ntcccttnaa	600
nctngccctc tgcgttgaac cgcataaaaa anttnccaat ttgttgcaat ncccttantt	660
ttanttcagn natgtttttg attnccctag ctttcagAAC tggacccttt ntttaaaaaa	720
aagnaactaa gntngngata gttnntttg nccccagggn gggggaaaaa atntttcttn	780
tttcnngggg ttaaaaatnt tccccttgga accccttttt tcaaaggga aangattttt	840
aancnaanc tttgttgga anaanaaaaa aangggcnaa aaaaaaaaaa naggagtnc	900
ctncattttc cggggtttta acataaaacc cccgtgnttt gnttttttaa aaaaaaaaaa	960
aant	964

<210> 1159
 <211> 999
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, c, g, or t

<400> 1159
 gcctatangg agnngnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggagaaaa gagctcgggg agtcggagcg ctcgagagttt gccacttatc ggtcatcctt 120
 ggtgtccgca gcactctctc cctctctcta gggcggcgac ctccggcggc cggaaagtca 180
 ccatgtccat cctgaaggtc cacgccagag agatctttga ctctcgtggg aatcccaccg 240
 ttgaggttga tctcttcacc gcgaaaggtc tcttcagagc tgctgtgcc agtggcgctt 300
 caactggaat ctatgaggcc ctggagctcc gggacaatga taagacgcgc tacatgggga 360
 aaggtgtctc aaaggctgtt gagcacatca ataaaactat tgcgcctgcc ctggttagca 420
 agaagctgaa cgtcgtggag caggagaaga tcgacaagct gatgatagag atggatggca 480
 cagaaaataa gtccaagttt ggtgcgaacg ccatacctggg cgtgtccctg gctgtctgca 540
 aggctggtgc tgtggagaag ggggtgcccc tctaccgcca catcgccgac ttggctggca 600
 atgctgaggt catcctgcca gttccggctt tcaatgtcat caacggtggc tctcatgctg 660
 gcaacaagct ggccatgcag gagtttatga tccttnctgt tggggccgaa aacttccggg 720
 aggccatgcg catcgagca gaggtttacc acaacctgaa gaatgtcatc aaggaagaaa 780
 tatgggaagg atgccccaac cgtggganat gaaggccggc tttgncccca acatcctgga 840
 aaacaaaaaa agcccctgga gcttgctgaa naanggcctt nggcaanggn tggctaccag 900
 ngaacaaggt cntnatnng catggacctt acttgccctt gaaattctac agggtcgggc 960
 aagtatgaac ctnggacttt aantccccca tgaaccctt 999

<210> 1160
<211> 1007
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1007)
<223> n is a, c, g, or t

<400> 1160
ancnnnatct ggagctccac cgcggtggcg gccgctctag aactagtgga tccccgggc 60
tgcaggnttt tttcncann agcncagact ttatttaaga agtccttgag atacaaaaga 120
ngactagggc taggtctaca gatnacagaa gcttaacccc tgagtgtgag aagcactnta 180
cgggtaaaag cnggtgggag cagaggacac aanggtggnt ggctngntat ttactggctt 240
tanaaagcag agagcccaga tcccagctag aacatcccag tactggntat agattcttta 300
caaaggtgtg atacctctct catgagctct tcttgaatgg atacttcttc cgaaaaatna 360
tcattgacnt ccaacacgag cactggaatg ttcagcagac ctgagagtgg agcggggntg 420
tcttgtggac aagccaggct tngngtngac catgaagctg ntncagatag gccagctcaa 480
cttntntctc ctctngccgg accttccgnt gtantctctt taancaaacc aatgttgctt 540
tccaccgaga gncttcgggg gaccacgccc cgcgtgtaaa ccncctggaa agggggcaca 600
ccctcnanta aagcgctgaa ccatgaacct tcgaaggtgc gcacagcaac cctaanaatag 660
aggccggnca tggggcctnc taccacagaa ttcacgcng gggtgacttt ccgtcgaaaa 720
cactttncgg nccccgaaa ntttggnta aacccttccg gggggggggc ccggncccc 780
aattnncccc ttttaagnng agnnnnnnnn aaaannnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnc 1007

<210> 1161
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1161
 gccctatctg gagctncanc ncngtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgagga atccctgggc aggggaacta agaccccacc ccgcaagccg 120
 cgtggcaggg ccaaaaacaa caaaaaagag ttggtggtaa gggcgtgtgt caggttgtta 180
 gtgggctgcc aaggcagtac tcgctgaacc aacaaatccc actgcttttt cctcctgtaa 240
 tctttctttt taaaacttta atcagagaga atttacatac ctacaattca ccaattttaa 300
 ttataacaatc ccgtgtaaag ttcacaaggn tgggtgtgatc ttanaatact ttttcatcac 360
 cccagacaga aaccttgtgc ccattancag acactctcca catcccccca acccctntag 420
 cttttggcaa ctgntaatca cttcctgcct ctgtggatct gctttggaga tttcatataa 480
 atggaatcat agaacatgcg acctttttgt ggctggcttc ttcttcatt cagcatagtg 540
 totccaagat aaacctccaa gataagctca aatcagcact taatccctcc ttatggccaa 600
 gtcgttttcc actgtgtgag tgtgctacat ccaactcgttc ttcattccatc agtttagcatt 660
 tgggttgtnt ccactttctt ggggtcttatg aataggggtn attaccattc agccacaatt 720
 ttttgtatag gnggttatat ttttcaagnt cctcttgggg tatacatacc ctaggnagng 780
 gagaattngc ccggnntnta taaagnccag nggttttaaac tnttccangg gangctggcc 840
 caaaacaact tttttccann tgggcaagtg gccggttttn ncattcccc caccaanngg 900
 ngggggtggg gggttttaag ttttttttcc gnnacncctt tancctngtn cctttt 956

<210> 1162
 <211> 919
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(919)
 <223> n is a, c, g, or t

<400> 1162
 aaanctggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag 60

gtttttttcc caaaagcaca gactttat	120
gggctaggtc tacanatanc aaaanctnan	180
aancaggngg nancaaagna caaaangggg	240
nnaaaaaancc caaatccnan ntaaaccntc	300
ttcccntcct canagacctc ttctgtgtgt	360
ccaacacaga gctgtggatg tgtncaccag	420
cacannccnn nnttngtgna nacnannann	480
cntcttntgc ggnccctgc tgtgtctctt	540
acctttgggc ccccccccc cgctgtaca	600
cngcngcacc atgaacttag ggggggcg	660
cnttcccnnc caanattncc gcgangaatt	720
tgctggngaa anaacnctgc gggggggccc	780
nnnaaaaann nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnn	919

<210> 1163
 <211> 919
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(919)
 <223> n is a, c, g, or t

<400> 1163	
aaanctggag ctccccgcgg tggcggccgc	60
gtttttttcc caaaagcaca gactttat	120
gggctaggtc tacanatanc aaaanctnan	180
aancaggngg nancaaagna caaaangggg	240
nnaaaaaancc caaatccnan ntaaaccntc	300
ttcccntcct canagacctc ttctgtgtgt	360
ccaacacaga gctgtggatg tgtncaccag	420
cacannccnn nnttngtgna nacnannann	480

cntcttntgc ggnccctgc tgtgtctctt tttacacacc ccagtgttct tttcggagaa	540
acctttgggc ccccccccc cgcgtgtaca cccgtggng ggggcacacc ctagaatnag	600
cngcngcacc atgaacttag ggggggcgcg caaccctta aaaaagnggc cgncaggggt	660
cnttcccnnc caanattncc gcgangaatt ctttcgnnna agagctcttn cccccntna	720
tgctggngaa anaacnctgc gggggggccc ccccccacn nnnncnctt ttangggggn	780
nnnaaaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnn	919

<210> 1164
 <211> 979
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(979)
 <223> n is a, c, g, or t

<400> 1164	
tnnnnaaaag ctggagctcc accgcggtgg cggccgctct agaactagt gatccccgg	60
gctgcaggaa ttcggcacga gggataacta cccccagcc aatccactca acacaccccc	120
tcacatcaaa cccgagtgat acttcttatt tgcatacgca atcttacgat caatccccaa	180
caaactagga ggagtactag ccctagcctt ctctatccta attcttgctc taatccccct	240
actacacacc tccaaacaac gaagcataat attccgacca ctgagccaat gcctattctg	300
agccctagta gcagacctac tgacactcac atgaattgga ggacaaccag tcgaacaccc	360
atatatcacc atcggacaac tagcatctgt cctatacttt ctccatcatcc tagtgcta	420
accaacggcc ggcacaatcg aaaacaaatt actaaaatga agacaggtct ttgtagtaca	480
tctaataatac tgggcttgta aaccagagaa ggagaacaac taaccttcct aagactcaag	540
gaagaaactg naagtctcac catcaacccc caagggtgaa gttctatctt aactanttcc	600
ctggaaccct atttaataata gttccataaa tncaaagagg ccttatcagg tatttaaatt	660
tatcaaaaat nccaataacc tcaacacaaa aatttgccnc cctaaccxaa atnttacaaa	720
cnccccccta gcttaacatt aaccgcgcc nttccccgga cccaggaat gganttnct	780
acgccagggg gnaatgggcc ataaccatta atgggaatna aggaccttaa tatgngtttt	840

agnncntta aaattntttg gccccctggc ctattaagcc aggtnccttg gacctttttt 900
agccggnccc taaatacctt ttaaattntt gggccggggc nttagnnccc ttntgggcna 960
aatnatntt nttggaaag 979

<210> 1165
<211> 947
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(947)
<223> n is a, c, g, or t

<400> 1165
annanctgga gctccaccgc ggtggcgggc gctctagaac tagtggatcc cccgggctgc 60
aggaattcgg caccgagctc ttgntgggca gccttggtt ctgtcatcgt cgtgcctccg 120
ccgctgtcgc ccccgcaagg ctttgccgtc gccggagcca cctccagcga ctcgctgcac 180
ccgattctct ccgcttcgct tcccgccaac cgcaaccatt gacgccatgt cgggttattc 240
gagtgaccga gaccgtggcc gggatcgagg gtttggtgct cctcgatttg gaggtagtag 300
ggcagggccc ttatctggaa agaagtttg aaatcctgga gagaaactgg ttaaaaagaa 360
gtggaatctt gatgagctgc ctaagtttga gaagaatttt tatcaagaac accccgattt 420
ggctaggcgt acagcacang aggtagagac atacagaaga agcaaggaaa ttacagttag 480
aggtcataat tgcccgaagc cagtcctgaa tttttatgag gcaaacttcc ctgcaaattg 540
catggacgtg attgcaaggc aaaacttcac tgaccacag ctattcaaag ctcaaggatg 600
gccagttgct ctaagtggga ttggatatgg gtggggtagc acaaactgga tctgggaaaa 660
actttgctta tttgctggct ggcattggnc ccattcaatc atnaancnt tcctaaaaaa 720
aaaggggatg ggnccatatt gcttgngct ggcncctaac tcgggaactg ggcccaacaa 780
ggtccagcna gggacttgnt gaatacttg aaaaacattg tcnctttgga aatcnacntt 840
gcantttttg gngggggctt nccaanggga ccnccaaatc ctggatttgg gaaaaaaggn 900
gggggaaatn ttnttttgga acnncctggg aanaactggt ttaantt 947

<210> 1166
 <211> 975
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(975)
 <223> n is a, c, g, or t

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<400> 1166
tnnancacaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcaggg aaaaacacac ctgaaatctt tttggaaaca gaaattcatt ttaaatagat      120
ggcacagagg tagtctaattg tcatgggaaa tgagaaaaaa atatatacac attaaaaagc      180
cttctgtctt tttgcctttt atattgttaa tgcattttga tttaatattc aaatagcact      240
gggtgcagca gtgacaaagc aaaaatcaac taaaagactt agattctatt gagataggca      300
ggctcatcct aattctcaaa tacttactta tatgatagta atattctatg ctacaactat      360
aaagaaaata ctactaggac accctccact ttcttgaacg tatcagagtt tagacagaag      420
taagagataa acatctatctt ctgcttttatt gactacgcca aagcctttga ctatgtggat      480
cacaataaac tgtggaaaat tctgaaagag atggcaatac cagaccacct gatctgcctc      540
ttgagaaatc tgtatgcagg tcaggaagca acagttagaa ctggacatgg aacaacagac      600
tggttcctaaa tagaaaaagg agtccgtcaa ggctgtatat tgnccacctg gttatttttaa      660
cttatatgcn gaataccttc attgagaaac actggactgg aagaaacncc aagctggaat      720
caagaatggc cgggaggaaa tatcaattaa cctcagaat atgcnggatg acaccncccc      780
ttttgggcag aaaggggaag aaggatctta aaaaggcctn tttgatgaaa ggtgnaaana      840
aggggaagtgg aaaaaagttg ggcttttaaag cttcacngg nttgnaaaac cgaaaaatca      900
ttggncttnc ccttcncttt nntngggnaa aaaaaaangg gggnaaaaag ngggnaaaca      960
nggttcnnaa nttttt                                     975
  
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<210> 1167
<211> 945
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(945)
<223> n is a, c, g, or t

<400> 1167
ancannnctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct      60
gcaggaattc ggcacgaggg tttttttttt ttttttttaa attaaanagt tnattangat      120
tnanaagnct natttaaaaa acntcagccc ntnaanccnt gtaaaaaana gtntncaaaa      180
ngtnngnaaa anaaancntn cttnaancnt gttnaagnaa aaaanttntn nnaaattnng      240
natttnnagc cnnttnnttn ttngcnttat nanncanggg canccaaana ancntnannt      300
tnngnggggg aaaccncncn aaanccggtt tngtngnaaa tcccancttn natntnatnt      360
tnngcnatcg ncnnttaaaa gntttcnttt agggtaaana nggnngnana aagggcnttt      420
taaagtccca aatnttnntt ntnttttttn nnangnaang tntnccnntn nnnanagttt      480
ttncnntng gnggggnttt ccnggcaaag aaancnccaa anggntntgn cngaaaaaaaa      540
tanggccgcc cgnncnatg ttntntnggg cgggcgtcnt tggcctttng gggnggaccg      600
ngccccccga aanggatcca agttcnaaaa atgggaactt tgnaaaaaat taccgccgcn      660
actaaantca atcaaaaccc tccccaaaaa ttccccnntn ttttaaaaaa nggnnncccc      720
cnnnnaaaan ncccccccg nctgganaan anaacctnaa ancccccccc canatgtttt      780
ggggaggggg ggccccttgg ctttttttta naaaaaagg ngttaaatttt aaaaaccccc      840
cggaaaaaan aaaaaaaaaa cccccccctt ctnnnggggg ggggccnccc aaccanngg      900
ggcctttngg gggggccttt tnccncncc cngggggggg gaaaa                      945

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<210> 1168
<211> 945
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(945)
<223> n is a, c, g, or t

<400> 1168
ancannnctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct      60

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gcaggaattc ggcacgaggg tttttttttt ttttttttaa attaaanagt tnattangat	120
tnanaagnct nattttaaaaa acntcagccc ntnaanccnt gtaaaaaanaa gtntncaaaa	180
ngtnngnaaa anaaancntn cttnaancnt gttnaagnaa aaaantntn nnaaattng	240
natttnnagc cnnttnntn ttngcnttat nanncanggg canccaaana ancntnannt	300
tnngnggggg aaaccnccn aaanccggtt tngtngnaaa tcccancttn natntnatnt	360
tnngcnatcg nccnttaaaa gntttcnttt agggtaaana nggnngnana aagggcnttt	420
taaagtcca aatnttnntt ntnttttttn nnangnaang tntnccnntn nnnanagttt	480
ttnccnntng gnggggnttt ccnggcaaag aaancncaa anggntntgn cngaaaaaaa	540
tanggccgcc cgnncnatg ttntntnggg cgggcgtcnt tggccttng gggnggaccg	600
ngcccccgga aanggatcca agttcnaaaa atgggaactt tgnaaaaaat taccgccgn	660
actaaantca atcaaaaccc tccccaaaaa tccccnntn ttttaaaaaa nggnnncccc	720
cnncaaaan nccccccgn cctgganaan anaacctnaa ancccccccc canatgtttt	780
ggggaggggg ggccccttgg ctttttttta naaaaaaggn gttaaatttt aaaaaccccc	840
cggaaaaaan aaaaaaaaaa cccccccctt ctnnnggggg ggggccnccc aaccanngg	900
ggccttngg gggggccttt tnnccnccc cngggggggg gaaaa	945

<210> 1169
 <211> 1005
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1005)
 <223> n is a, c, g, or t

<400> 1169	
ncannanctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcagggcttt taaaccctgc gtggcaatcc ctgacgcacc gccgtgatgc ccagggaaga	120
cagggcgacc tggaagtcca actacttcct taagatcatc caacttctgg atgattatcc	180
aaaatgcttc attgtgggag cagacaacgt gggctccaag cagatgcagc agatccgcac	240
gtccctccgc gggaaggctg tgggtgctgat gggcaagaac acgatgatgc gcaaggccat	300
ccgagggcat ctggaaaaca acccggtctt ggagaaactg ttgcctcaca tccgggggaa	360
tgtgggcttc gtgttcacca aggaggacct cactgagatc agggacatgc tgctggccaa	420
caaggtgcca gctgccgcc gtgctggtgc catagcgccg tgtgaagtca ctgtgccagc	480

acagaacact ggtctggggc ccgagaagac ctcttcttc caggctttag gcataccac 540
gaagatctcc aggggcacaa ttgaaatcct gagtgatgtg cagctgatta agacaggaga 600
caaagtaggc gccagcgaag ccacgtgct gaacatgctg aacatctccc ctttctcctt 660
cgggctggtc atccagcagg tgtttgacaa tggcagcatc tacaaccct gaagtgttg 720
acatcacaga aggaaacttt tgcattcccg ctttctggtg ggctgcccgc aatgttggtc 780
agcgtgtgcc ttgcanattg gttaccaaac ccgtngcatt tgtaccccca ttctatcatt 840
natgggtacc aaagcgcgtg ctnggctttt gtctgnggan aatgattaca cccttncac 900
nttggtgnaa aggncaangg ccttnttngc tggatccatt ttgccttttg ggggtgtgtg 960
ccctggngnt tgttgncccc ngttgttgcc cttgtggcca ccct 1005

<210> 1170
<211> 1025
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1025)
<223> n is a, c, g, or t

<400> 1170
ncannnctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaanttc ggcacgaggg ccagcgcagc gcgtctccca ggagcagttc acagcgtcca 120
tgtccacact gttgaaagga actgccgagg agaagagtct cgtgatcctg aacatgattt 180
ctgcctcagg aggtcccgtg aaagcaagag atgtccacaa gtttacagag gacttggttg 240
gctctgtggt gcacgtgcta agctacagac ggcagctgcg agctggagtc anaaagccac 300
ccccaggctc cccatccagg gtgcagggtc tggctgcccc gcttgtgctc cgaagatgaa 360
ggcttaaggt gggcgggaaa gctttctggg acctcagtgg ttggaccgag acttgtgacc 420
aggcccgtgc tcgaggactg ggggtgttcg gggctacca cgtgccacgt ttctgagcct 480
gggtcattcc accagggctt cctcctcttg cgctcgtccc tcaagctgcc accctggtcc 540
cccagcgcgc aggtggaccc gcagcgggga gttcgccagc gtctggacgt ncttgtccgt 600
catctacgta actcgcacct tgcccaagaa ccgggggctn aacttgcgcc ctacttcttc 660
gccaccgaac ttccacggga acaagctttt gccaaactnt gcgggcgcca ttgcacacg 720
gggggccctt gctgtgtgct tgntcgaagg acangnnacc ggccacgttg ttcggaaggt 780

ttcnccttcc ttgcttctn ggaaagtcaa ncccttaant ttttaaangg ggaacnanna	840
ggggcttttc ttgtttttcg gttttccccc gnnatnggcg ttttcacctt nggnggggnt	900
ttnaaanaaa cacttanttt tnccttanaa aanggggnan nnaaantttc ccaaanggtt	960
ttggggattn ngaagaaaac cncngtttct ttttggnntn ggggnacnnn nntnatttn	1020
gggaa	1025

<210> 1171
 <211> 948
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(948)
 <223> n is a, c, g, or t

<400> 1171	
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caggcttaaa cgaatacatt aacgggtgcta aacacagaca ttttaacca agtcacgaca	120
ttcttagctg taactcagct ctcacggcct cttgctcacc catgaatggc cccgttttcc	180
tcttgccgcy tgcacctcca cccattgtct tgggtggcaca tgggtggaac acttgatctg	240
ctcgagtctg ccttcaacac acattgcac ctcagatttt ctacttttct gntcaaaact	300
aatattcacc aagtcagact ttgngttaat tttatatcag ggtattggct gccagggggt	360
catccctaag tggcctgaag atggacaaag ggaagtaaca ggcacgtgat gttggcaagg	420
atgcttctag ggctanagga tcagtgggtg gananagctg canaatccac canccagaac	480
tgcagataac gaatcttatg gncaggggct gtgactgana gaaggaaact gagngtgtgt	540
tctgaaagta cataaactct cacatatacc cagttcttna ccatctcccc tcctnacttt	600
gcagtgccat ttctttttgc attaggcaat ttgctcagac tttccagagc catggcccca	660
tccgttctct ggaatcccc acaccctctg agangtggat caccacgtcc tgcaggggnt	720
gntccccctc aaactacctt ttangaagat gcacggacaa gggaggctgt tttcanaccc	780
nncaaaagac cnnaaattcn agaagcgagg agccncaacg tgggtaaaaa canaaaaaaa	840
ngggcagggg ggngaaaatn gggttttctt tttgggggnt ttcnggtgtt tctttttttt	900
cncnccttg ggatnggctg gtnccocaaa aaaatntttt taagtcnc	948

<210> 1172
 <211> 920
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(920)
 <223> n is a, c, g, or t

<400> 1172
 ngcctactgg agctncaccg cngtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggngcnan acaagttggt aaagatagag tttttaatac cccactgtgt gaacaaggaa 120
 tcgtnggatt nggaatngga atcgagtcn ccggggctnc ngccntanca aaaatncagt 180
 tngcaaana tatttncnt gntttngatc aaatggtaaa ngaaccngcc angntcgt 240
 nccggnccg gnaccttttt aatngggnaa ncctaaccat ccggccccct nggggctgng 300
 tnggccacgg ggctctctat cattcccaga gtctgannc tttctttgcc cactgccag 360
 gaatcagggn ggggtgcnc cc aaangcctt tccnggccag ggnacttntt ttatnnngca 420
 tagangataa aancntttgt atattttng ancctaatan ncttnacngg gcancagngg 480
 ngcnngtncn tgtagancca tacaanacc ctntttcnca atctgaagtc atccaagagg 540
 ggagtgatgn tctctaggcg ccnggggcac tnangttcat gtgntccgag aggcggctgn 600
 catggntcaa naaaatcgtg ggggtgtcttg ggangtcntt tgntctgacg actntaccac 660
 cgnggganga gcaacaggca nnangngtgt nannanaacn nggacgactg gtaataantn 720
 aggagcttnc tttggacggc ggtttttcct ntaaaaaccn cccaccgntg aagnaagaat 780
 tgttcntcaa ccctggnaac ctncttaaag ggggggnggg ggggnanaaa accncnntt 840
 cnttttttn ttngaccgnt ttcntccca aaacngnngg gaatnnnttt nccnccctna 900
 aaaaaaanga nnnntttnc 920

<210> 1173
 <211> 920
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(920)
 <223> n is a, c, g, or t

<400> 1173
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caggngcnan acaagttggt aaagatagag tttttaatac cccactgtgt gaacaaggaa	120
tcgtnnggatt nggaatngga atcgtagtcn ccggggctnc ngccntanca aaaatncagt	180
tngcaaana tatttncnt gntttngatc aaatggtaaa ngaaccngcc angnntcgnt	240
nccggnengg gnaccttttt aatngggnaa ncctaaccat ccggccccct nggggctgng	300
tnggccacgg ggctctctat cattcccaga gtcctgannc tttctttgcc cactgccag	360
gaatcagggn gggtgcnccc aaangcctt tccnggccag ggnacttntt ttatnngca	420
tagangataa aanctnttgt atattttng ancctaatan ncttnacngg gcancagngg	480
ngcnngtncn tgtagancca tacaanatcc ctntttcnca atctgaagtc atccaagagg	540
ggagtgatgn tctctaggcg ccnggggcac tnggttcat gtgntccgag aggcggctgn	600
catgntcaa naaaatcgtg ggggtgtcttg ggangtcntt tgntctgacg actntaccac	660
cgnggganga gcaacaggca nnangngtgt nannanaacn nggacgactg gtaataantn	720
aggagcttnc tttggacggc ggtttttcct ntaaaaaccn cccaccgntg aagnaagaat	780
tgttcntcaa ccctggnaac ctncctaaag ggggggnggg ggggnanaaa accnccntt	840
ccnttttttn ttngaccgnt ttcctccca aaacngnngg gaatnnnttt nccnccctna	900
aaaaaaanga nnnntttnc	920

<210> 1174
 <211> 1079
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1079)
 <223> n is a, c, g, or t

<400> 1174	
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ggctgcagga attcggcacg aggacttttn gctcccaacn nattccnctn natnctnggg	120
nttctatnct atgcaagaga taccttenta nttgnatact caatcntacn atnaatnct	180
anccactat gannantnnt aannctancn ttctntattt nttantatng ctntnaagcc	240
nttnaaatac ncaccttagg gnttcatacg gaaaccatna nttnaccctt cactcancn	300
nggggtgccta atnnatgatn ccactaagnt tgcaacattn caccgcgacg tcacattnaa	360
ntnnnnnga cnnacctnt acgtanacc cntntaatc gncggnttng ncanaagnaa	420
aaanannngg tntnngtntg taanngcnct aatacnann tnttctttn nttnngtttt	480

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cccnancctg nnttntcatn aanacnnaat tagggngggc ancggccctt aatgggtncc 540
tnttaattan nttnttatnc gtnnnncccn tatgaaaagc gagntttaac antnncgntn 600
nccanaaaac cttcctgnan nnntaantgc ttaattncnn tttccanccc tnncnnttnt 660
tgaaanatnn tntcccnata tnanntaccc tngcccactt ttttantttt tgtttnnant 720
nonactcgnn ngnggccttn cntaanatnt nacntttttt cgcgntnngn cctntntccn 780
anacnttnac ttngngnnct tngnnancnc cntntntcnc ccacntctt cntnnttttc 840
cnttcccgnn nggncatanc nccnnaacca nngnnttnaa ntcccnegnc cccangnggc 900
ttttatncnt nanaattnan ngnnnctcgg cccccaanta antcnttntc naccttnnnn 960
tttttatccc ccnggtata cnnnnannnc ntntacntct ttncnttng catttaccng 1020
ttgtcatttc tgctggggca annctncctt tanttcnna anntnctttn ttncatncc 1079

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<210> 1175
<211> 937
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(937)
<223> n is a, c, g, or t

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<400> 1175
naaaagctgg agctccccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggattgant gcngnntgaa tnnagcggnn aacangctcg gggccannnt ngcgantaag 120
aactgnnnnc gnatacanga gngnnttttt ttnaaactan nncacngntt gntggntnac 180
tggetgnnna caanatatcc nacccttnaa cnnctgtccg anctanctgn anttnaangg 240
atggnnanng gcaannnccc ctngngnann gactntcnc taggngcang ggtacagggg 300
tncntttcnn acncctcngc cncntaanct gnnnncangc nantgaccnc agcnggacac 360
agggtncatn tcctgggaag ntcnnaacng gttacatcnc acttgatgnt gacntcnaag 420
acttttcctt aggaagaacc aatggggcac ncttttacnt ggagntgcaa tccngggatc 480
cgcanncann gtttgacaag gtaattaatg ctctgantga acgggnctnc ttcatgataa 540
ccctccagtt tnggacggct tgcccgaact gttatngntn tgggcccnan gngcttgcat 600
ggncaacctt nagngggcaa aaacaatcaa gttcaccncc tcatggnta accaaaacaa 660
tggettcctt taagtggngg taaaaccccc tnnntnnnnn nntttttnc ananaaaang 720

```

gggnaagggt ccccntnng gggggggggg aaaaaanggn cnaaannttn aaacnnancc	780
cgggnctggt ttccttnnaa annnttttct ttttttnggg ccancnaacn ngnaanggga	840
ttncnnnnna annttncccc ncnnttggn ccnnngnnnn ggnaaantnn ntnannnngg	900
gnnnnntncn nntncnttaa nnnccnnnng gnnnggg	937

<210> 1176
 <211> 937
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(937)
 <223> n is a, c, g, or t

<400> 1176	
naaaagctgg agctccccgc ggtggcgggc gctctagaac tagtggatcc cccgggctgc	60
aggattgant gcngnntgaa tnnagcggnn aacangctcg gggccannnt ngcgantaag	120
aactgnnnnc gnatacanga gngnnttttt ttnaaactan nncacngntt gntggntnac	180
tggtcgnnna caanatatcc nacccttnaa cnctgtccg anctanctgn anttnaangg	240
atggnnanng gcaanncccc ctngngnann gactntctc taggngcang ggtacagggg	300
tnctnttcnn acnctcngc cnctaant gnnnncangc nantgaccnc agcnggacac	360
agggtncatn tcctgggaag ntcnnaacng gttacatcnc acttgatgnt gacntcnaag	420
acttttcctt aggaagaacc aatggggcac ncttttacnt ggagntgcaa tccngggatc	480
cgcanncann gtttgacaag gtaattaatg ctctgantga acgggnctnc ttcatgataa	540
ccctccagtt tnggacggct tgcccgacct gttatgngtn tgggcccnan gngcttgcat	600
ggncacctt naggnngcaa aaacaatcaa gttcaccncc tcatggtnta accaaaacaa	660
tggcttcctt taagtggngg taaaaccccc tnnntnnnnn nnttttttca ananaaaang	720
gggnaagggt ccccntnng gggggggggg aaaaaanggn cnaaannttn aaacnnancc	780
cgggnctggt ttccttnnaa annnttttct ttttttnggg ccancnaacn ngnaanggga	840
ttncnnnnna annttncccc ncnnttggn ccnnngnnnn ggnaaantnn ntnannnngg	900
gnnnnntncn nntncnttaa nnnccnnnng gnnnggg	937

<210> 1177
 <211> 907
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(907)
 <223> n is a, c, g, or t

<400> 1177
 ttgaacaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcnacacga ggaggactac taatataccg anccaccta ntatcctccc 120
 ttctatgctt agaaggaata atgctatccc tattcgnat agcagcccta acaatnctna 180
 actcacattn tacattagct ancataatac ctattatcct actagtctnc gcagcctgtg 240
 aagcagccct aggtctatct ctactagtaa tagtatcaaa tacatatgga ctgattatgt 300
 acaanaacct naacttactn caatgctaaa atacattatt nnaacaatta tacttatacc 360
 cntaacctgg ntatcaaaaa ataataaat ttgggttaac tccacagcac acagccttct 420
 aattagcttt acaagcctnc tcctcataaa ccagtttggc gacaacagcc ttaatttttc 480
 actactatnt ttctccgant ccctatccac tccantacta attttaacca tatggctcct 540
 ccctctaata ctaataggct agccaacatc atctatcana agaaaaccta acccgaaaaa 600
 aacnatttat tactatgctg atctcactac aactattgct aattataacc tttaccgggc 660
 atnggaacta atcttatttt atatcctatg ngaagcaaca ctagtcccaa cactcantat 720
 tattaccga ngaggaaacc aaaccagacg cctaaacgcc ggactctatt tcctattcta 780
 tacctaagcn ggctccctaa ccctattaag cgcnctaaat tatattncna aaccgggggg 840
 ganccctaaa atttccctaaa aattaacggg ncngggggnc aanccgggtc aaaaaccctt 900
 ggaaana 907

<210> 1178
 <211> 1008
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1008)
 <223> n is a, c, g, or t

<400> 1178
 nnnnatctgg agctccaccg cngtgggggc cgctctagaa ctagtggatc ccccgggctg 60

caggaattcg gcacgaggca tcctgggcg ggtcattagc gccattagtg aggcggctgc	120
gcagtacaac ccagagcccc tgccccctcg cacacattac tccaacattg aggccaatga	180
gagtgaggag gtccggcagt tccggaggct ttttgcccag ctggctggag atgacatgga	240
ggtcagcgcc acagaactca tgaacattct caacaaagtg gtgacccgac atcctgatct	300
gaagactgat ggctttggca ttgacacatg tcgcagcatg gtggctgtaa tggatagtga	360
cacgactggc aaactgggct tcgaagaatt caagtacttg tggaacaaca tcaaaaagtg	420
gcaggccgta taaaacagt ttgatgttga ccgttcaggg accattggca gcagtgaact	480
cccaggggcc tttgaggcag caggattccg cctgaatgaa catctctaca acatgatcat	540
ccgacgctac tcagatgagg gagggaacat ggattttgac aatttcatca gctgcctggt	600
cagactggat gccatgttcc gtgccttcaa atctctcgac aaagatggca ctggacaaat	660
ccaggtgaac atccaggagt ggctgcagct gaccatgtac tncatgaacgg gagccccaag	720
gcctgcccc tcatacctt gctgtangag tcaccttgga cttttcggtc ttccccaagg	780
gctgattctt gtctggagtc acatttttcg tgggtcctgg ctgaccctt ttttgtctt	840
ttanccctt ggcanctgg atttctcant tcaacaagcc anggccccaa catggcttta	900
aacacgcct tgccccttna agttaacccc cccccaana naaccattt tggnttactt	960
ccattaaccc ttttttttgc nctgggcca aacccaaca tttgggtg	1008

<210> 1179
 <211> 1411
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1411)
 <223> n is a, c, g, or t

<400> 1179	
tcntcagngg gncncgggcg cagcgcgcan cgtgccccnn acnntctnca tgnnatacnc	60
aacnntggna actgtentcc gnnncngttn atgnncncnc ttaancancn nnanggcnac	120
cnetncgct cngcncncc nnttcnncn ncngcacaat attttntnat ntntccacc	180
ccnctnccc ntcaaanncn gnnngggggn ccttnntgnc ctannncnt taccnaance	240
ncntntnnt anctncngan ntattanncn tanaanang cganncgnc nggngnggt	300
gtncntagta nnnannnatt ggtncnaggn nctngncnn gnnctntntn nnntntann	360
tgntgtann nncgncggn gnatantnt nngngngng nggggnagng ngacnggntn	420

tntnttgttn nntntgnncn angngcngn atnagngcnn annntcnnnn nnnangtnn	480
annntntat ntntgtngaa nanactanng cnetccaggg ntcgnntnt tcntnnncn	540
ncnngngnnc anncnnggta agnnnctnag nngnnannng cnnngnnccc nncnattnn	600
tggtnttatt nngagngnc cncnngagnn cnnntnnga gnnatgaten cncaannnt	660
ngtccaggcg nanaanangn nntanatcgn ganngnncnc tgnngnnngg annnnatnga	720
cngcnnnnct nggnanngnn ccnnncngac nncnangtan cnnnncnnan ntcnngngct	780
gnggggngc ngctctnnan ngntantgng gcgnncgnc ncannccacc tgtagtcatn	840
tcctcgnann tncctccacg nacgagcgc cccctngnac ggtcnnntnc tcctccgctn	900
ccaccacnca ccnnccaac nnnnatcnt agtanngtcc tcctccnncn anccctcaan	960
gatcttncnn tntttanccc acnggatnct ntgcngncc gtcgcctngc gnntncannn	1020
gngcctaann ccnnncntt cngncggggcg gctcngacgg agttgnntnn tcacttcacc	1080
atcnnctnca gnactnncgn ngcngtnnta tanaananca gcnnccannan tagggtanna	1140
gttnggangn gcantnnngg tgtatatgcn anggcnnccg tcancncgnt aanangngc	1200
gantagtcca ganagnnagc agatanancg ncgcanncng cgttgcgnnn ntatannnnn	1260
tgcnancnan nncnnnnncn ncgtgcagca cntgcatncc ncgnanana tgtnanttg	1320
cgaaagcgan anantancta acgaganact tncccnanat anagtgtat anagnnnnnn	1380
tgatgnnact ntgtcttggn anngngagcc g	1411

<210> 1180
 <211> 1507
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1507)
 <223> n is a, c, g, or t

<400> 1180	
ggggggggga gcagantacn tannataatt ttntntntnn atnnnnnnnt caacnntna	60
cactcnannc tnantaganc cgacnaaana cnntcnntag nnggggggaa tanaggacga	120
natatgattn nttttggaga nacnnntgga nntncatnnc ngtggcnggc cgctctagna	180
actagtggan cccttcggnc ntgnnggngn anagaagann catngtttta tanantagct	240
ncttannnca nnnantgcna gcggggggttn tnattttttt ttntttncnt atnttantnn	300

cantnncang tnttcgttnc tngtgantag caannactat ntanaactnt nttantaant	360
nataatcttnc ncttgntatt gangtaanan tgntnantga nagcatnnga agttntntcn	420
gcancttggn attagganga ccnttntcna atttngnngn aanccnncac gnattcntgn	480
ttntntttgn ggnggnntgt nntcgnntca nntctgctnt ntatncattn cncaagantn	540
cnngaanaact tttatttggn cactggncna agnatnatag gnggggttgg aannatanna	600
nntcacntnt tttgatnngc caaanncgan ctttantnna ttattcactn tcatnaanca	660
tngaatanaa anaanggcnn tgatnanant ngttntttga ancccntaan aactgacttt	720
gatannantc nttnnannna tngncgagaa tncaagtgnn nnnnttnngt tattagnnag	780
aannacannn gaccncncnc cttgnnnccc aangcntgan anntaatntn tcatatntat	840
ggnggannat agaatggctc ancacnaata tacntatacn ntcnaangac gcatncatnt	900
gggcttnaca nnnntntaag cncnaannc gtgnactatt atttgtantt tgggaannna	960
ctacananat ccactttnnn acntctnata tttntnttaa tagngctntc ggnctnngat	1020
tcttggtctgc ggannttaat antctaatec cttttgagga angtnngca cttgcacnna	1080
tnnatgctac aggtantntt gnagnnaata anatatnaca tgtncattnn actttgccnn	1140
caccnattna tcnatgatan anattatntt ntacntgttg ggnaantnnn tctcntcncn	1200
nantctgnan ctattcntnt anttncanta gantttgtaa tagtanattc tnctatactt	1260
cgntcttnna ttantctgtg ncanncccnc cttgantncc ntnannnta gtggtngcgt	1320
ctannntcgt tctntactnc nagcnccgtc ncaatgnann atnnantnta tcatntnttg	1380
tacgnaannc ggttcaatcc attntatgna tattatntaa nnaaggagn actnatatca	1440
tcnccggttan tatgaaacna ccntntgtga tggaangaat nanntcatg tgttttctan	1500
actccgn	1507

<210> 1181
 <211> 1510
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1510)
 <223> n is a, c, g, or t

<400> 1181	
gggggggggag cagantacnt anataatntt ntntntnnat nnnnnnctca acnntnnnca	60
ctngatnctc ancannnncc gacnaaannc nntcnntann gnggggatan aggangaent	120

atgattcntt ttggaganan cnntggagnt ncanncngtg gcnggccgct ctagnaacta	180
gtggganccc ttcggncttg nnggnгнаaa naagagnnat ngttttntat antagctnct	240
tannncannn ntgtnc cage ggggntntc anttctntt nntnntncnn ntntnnantnc	300
cacnccang tnttcgtnch ctagtanta gcnaatatt tnaactntnt tattaantna	360
tatctttcnc ttgntnttga nntanantgc ntntganag catngaagt tntnngnnn	420
cttggnatта gggagacct tntaaattnt ggaaactna cgattngntn nntngnggc	480
ttgtntcgn ntcanntctg ctntntatnc attncnaga ntncctgaan acttttttg	540
aancctggtc naagnactna tagnggggt ggtaacnaa ganancacct nttngatnn	600
gctcaaannc ganttttant nnattattca ctncatnaa ncatnganta taatanaatg	660
gctttgttat antnttttt tnaancect aataactgac tttgatanca ntnttnnan	720
nctnnacgag aatncaagt nntntntng ttntngnnan aatnacannn gaccncncnc	780
ctttnnncnn aangcctgnt ttntattntn tcatntgnta tgngngnnna tagaatggct	840
cancactant atactnttac nntcnaanna cgntncntnt agngctttac antntntaa	900
nntaccnaan ngtgtacnat tatntnantn ntgggcnnn cactnnana catctcactt	960
tnnnnttact natattttt cnnatagaac tatgtntnn gattctttnn cngcgganat	1020
tantantcta atcccttttg tgnaatgtan tncantaaca cnnnttnnag ctcannggt	1080
antcngnagn naataannta tntnatgtn cnantnnact ttgccctcac ctatttactn	1140
natgatanan nattatnctg tatntgntng nnaantnnnn tntcncncnc antntncann	1200
natttcnnnt aatancnnta gnnntttgta atagtanatt cncctatact tctctcntnn	1260
attatccatn tgngnaangc cctcctanna ttncntnan ncntagcgt ngntctnnn	1320
nnttgatctc ntactnnnn gcncgncnt aangcannga tnnantntat catntntngt	1380
acgnacangc ggttcntanc cacttggtgn atnttatnta actaaangac tnactnatat	1440
catnnnnnt aaatatgaag cgaccctntg tnatngnaga atnannntca tgggtgtttc	1500
tanantccgg	1510

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<210> 1182
<211> 959
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(959)
<223> n is a, c, g, or t

<400> 1182
ttnnnaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg      60
ctgcaggctt tgctgagggt cacattgagc tcccagcgac ttcaggggca tctttaggag      120
tcagcactat ggcagaagac atccaggcca aaatcaagaa ctaccagact gtcctttttg      180
acagccgctt cccaaccag aaccagacca ggaactgctg gcagaactac ctggacttcc      240
accgctgtga gaaggcaatg accgctaaag gaggtgatgt ctccgtgtgt gaatgggtacc      300
ggcgtgtgta caagtccttc tgcccatat cctgggtgtc aacttgggac gatcgccggg      360
cagaaggcac gtttcttgnn aagatctgaa ctggctccat cccacctctt ctgtcctccg      420
tccttctccc aagggtggtg aagggggacc gggtagatgg tgatccccac cttggaatcc      480
tgactcatgg tataactaat aataaatgct cgttggaaac gtgaaaaaaaa aaaaaaaaaa      540
aacctngggg gggggcccg anccaatttn ccntatngg ggggnnnnna aaannnnnnn      600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      959

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<210> 1183
<211> 963
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(963)
<223> n is a, c, g, or t

<400> 1183
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc ccgggctgca      60

```

ggacaaagtg gcttcagaan ccctcatgaa gnaccacatt ctaaacaccc tccagtgttc	120
tgaggctatc atgggaggag cagtctttga gactctggaa ggaaacacca ttgagatagg	180
atgtgatggt gacagcataa cagtaaattg aatcaaaatg gtgaacaaaa aagatattgt	240
gacaaataac ggtgtcatcc atttgattga tcaggctctg gttcctgatt ctgccaaaca	300
agttattgag ctggctggaa atcagcaaac cactttcaca gaccttgtgg cccagttagg	360
cttggcatct gctctgaggc cagatggaga atacactttg ctggcacctg tgaataacgc	420
attttctgat gatacactga gcatggatca gcgccttctt aaattaattc tccagaatca	480
tatattgaaa gtaaaaattg gccttaatga actttacaat ggacaaaacc ttganaccat	540
tggaaggcaa acagctcaga gtcttcngt nccgcacagn tgctggcatt gaaaattcat	600
gcntggngna naggaaccag caaggaaaaa tngngccatc cattattcca agaaatcntc	660
aanccaccan aaaaatcccn tttttgnaaa actggaacca ananaaccnc ttcaaccant	720
tttncttaag tctacttгна acctggcaaa cttgnaaana acctcctaac ccagccctgg	780
gaaattggga cctttttttt ggnnccaanc caatggatgc ccttttangg ggaatgggcc	840
taatggaaan aaaangggaa attnttggat ttcgggnnan aaaaatngct ttttnaaaaa	900
nattttttcn tttnttaacc cggaaccenn gggagttttt atttgggaaa aagggttttn	960
nnt	963

<210> 1184
 <211> 963
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(963)
 <223> n is a, c, g, or t

<400> 1184	
tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggc tttgtaacct tccaacaatg aatacttcaa cttgtatcaa aacaaataat	120
gagtatccac aattctaaag gacaaacatg aacattaata ttaatatctc tgatcctatt	180
tattggatca acaaacctac taggcctatt accccattca ttcacaccaa caacacaact	240
atcaataaac ctaggcatag ccatccccct gtgagcagga gccgtaatta caggattccg	300
caataaaaact aangcatcac ttgccatttt cttaccacaa ggaacaccca ctccactaat	360
ccaataacta gtaattattg aaactatcag cttttttatt caacctatag ccctcgccgt	420

gcggtnaaca gntaacatna ctgcaggaca cctattaatt cacctaanng gaggagctac	480
acttgcncta atangcntta gcnctacaac agctctaatt acattcacca ttctaactct	540
actaacaatt ctagagtttg caggngctat aatccaggcc tatgtattca ctctcctagt	600
cagcctatat ctgcatgaca ncgcataatg acacccccaa actcatgctt atcatatagg	660
aaaacccaag ccctttgacc tnttaaangg ggctttgtct gncctcttaa taacatccgg	720
gcctaaacca tggggaattc acttttaact caaaggaccc tggctaataa atgggnctaa	780
cccccaaatt tccttaccat ntttcccatg ggtgacggaa atgttttccg anaaaagcnc	840
ctttcaangg ggncccataa nccccacntg tncnaaaaag gggcncccgt tttgggaaaa	900
aattnttttt ttttattccc ccgaaaaaat ntttttttta ncggganttt tttngggctt	960
tnn	963

<210> 1185
 <211> 962
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(962)
 <223> n is a, c, g, or t

<400> 1185	
ttnanaaaac tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggctttg ctganggna cattgagctc ccagcgactt caggggcatc tttaggagtc	120
agcactatgg nagaagacat ccaggccaaa atcaagaact accagactgc tccttttgac	180
agccgcttcc ccaaccagaa ccagaccagg aactgctggc agaactacct ggacttccac	240
cgctgtgaga aggcaatgac cgntaaagga ggtgatgtct ccgtgtgtga atgggtaccgg	300
cgtgtgtaca agtccctctg ccccatatcc tgggtgtcaa cttgggacga tcgccgggca	360
gaaggcacgt ttcttgggaa gatctgaact ggctccatcc cacctcttct gtccctccgtc	420
cttctcccca ggggtggtgaa gggggaccgg ggtacatggt gatccccacc ctgggatcct	480
gactcatggt ataactaata ataantgctc gttgnaaacg tgaaaaaaaa anaanaaaaa	540
tctaongggg ggggccagnc accatantcc cntaaangga atcnggaatn cccnntngnn	600
cttnnntntn agtnngnggn tgntnctnac cccaccccnt tttttttnt tttnnngaa	660
atctcannnn ccttntnttt ntttnnaann ancnnnnggg gggcnntttt tnnttaaaaa	720

annnggnntt ncccnangnn nanngnntt ttnaaantn nnaaccnt tnntttnaan	780
ttgggggntn ancnnnngg gncnnnnnn cnaattnnnn ncncnnaan nncnggnan	840
nnnnnnccn nnaaaannnc nccnngggg ggggggccc nnnnnccn annntnnnn	900
nnaaaaangg ggnccnnnn ttaaaanna nnnnnnnnt tttttnnnn nntttnnnna	960
aa	962

<210> 1186
 <211> 990
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(990)
 <223> n is a, c, g, or t

<400> 1186	
cccnactgga gctccccgcn gtggcgccg ctctagaact agtggatccc ccgggctgca	60
gggatatatc ccctcgtcaa attctgtaaa ctaaaagtca atgtcgattg aaggaaagg	120
agtcagaatt cattcagga aaatttaagt gattacttca aactcttact attattaata	180
cttttttata aataaatgct tctatttgat taactatata ttcagggtag aattataaat	240
gaataattct ggcacaaaat aggacttcat aaatattaga aaaataaatg aaatcattga	300
gatgaagata aaatataagt ctttatgatt acaatctctg taaacataag tgaatgtgag	360
gattcatgtc ttaaatcat ctcaactgtg tagaaagcca ctcccttacc atgttcccat	420
ctctgtccct aaagaatata tgtgattttt tatccaagac tactgtgctc tctcatttgg	480
ttgaatgcca agcatccaca ggctgactgt tgcttctgga catcactgat gctacttagc	540
agcagcagca gcagaacaca ccatagcagg ttctgtttct tttttttttt tcctttcnaa	600
ttttatncca ncattatgga aattcnttcc ctctaccnc taaattggg acaaaaacct	660
cngtttttcc catatngcn gancttttca tttttattcc ctttttggan gcatgngatt	720
aattntatnc ctatctttaa aatccnctt acatgcnggc ctttggggn ccccttnga	780
aggaaggga atannggaa ttaattttg tnntaaaaga aaagtnnata aaanaataaa	840
gangncaaa ataccccccc ctggtttttt ggangggngg ctnccctttt ttanaatcct	900
aaccgggcnt tggctncna aaggcgnttn cctanaaaat ttttccctt tntggtaagg	960
ncctttttcn naaaaaatcc cctcaaanat	990

<210> 1187
 <211> 1008
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1008)
 <223> n is a, c, g, or t

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<400> 1187
tnnnacaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcagcnn tagtngaagc tggggcanga acaggctgaa ccgtgtnccc tcccttagca 120
ggcancctac cccatgcagg agctncagna natctaacca ttttctcttt ncacttanca 180
ggagtttcct caattttagg agccatnann ttcattacaa canttatcaa catanagccc 240
ccngcaatgt cacaatacca aaccctntg tncgtatgat ccgnaatann taccgccgta 300
ctactactac tctngctccc tgtattanca gccggcatca cantgctatt aacagaccgg 360
aacctaaata caaccttctt cgacccggca ggaggaggag accctattct atatcaacac 420
ttattctgat tctttggaca ccccgaagtc tatattttaa tcttacntgg ggtttggaat 480
aatctctcat atcgtgacct actactcagg aaaaaagaa ccattcggat atatgggaat 540
agttngggct ataatgtcaa tcggatttct aggtttatcg natgagccca ccatatattc 600
actgtccgga atagacgtcg acacacgaac cctacttaca tcaggccact ataattattg 660
ctattncaa cgggggtaaa ngctctcagc tgaatggcca cacttcatgg angnaataat 720
caaatggggc tccctggata atgngaagcc ctaagctttt attttcttaa tttaccggga 780
nggggggtta acctgggaat tgnnttaacc cacctntttc cctnnnanat tggtnntttac 840
gaaaccatta cttacgttgg nngnacaatt tccccttttg ttttaatcaa aaaggagctg 900
gtttttgcnt ntttatangg gggggatttg ttattggatt cccccntttt tntaagggtt 960
taacctttca angnttcctg gaacccaaaa tcccctttnn naantttt 1008

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<210> 1188
 <211> 1431
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1431)
 <223> n is a, c, g, or t

<400> 1188
 gatctcagag gggnggntg cgcncnnn tacnnaacan acngcgtnt acttnnnacg 60
 cnnnctatcn cncanntatn ncacncgtan tacgtgcnc ngcgtcactc cgnactgcnn 120
 ggnaccnccg ctnttcnat caattgatan nntccctncn nnttttnnct ctcttcttcn 180
 tntctactn nactnntnan tgnnannatg nancnngca gtgctancta ngcatcanen 240
 nttngcaatc accnnnaatc anatanggtg tctgctnctt ncantctncn nngtngccnn 300
 tegccgntcc ncgacgcnn gcncccgagn ancntnctat tctaannann atanagnngg 360
 ngacnnagac cgggncggg tncntntnn nntatnaag ataannnnat nggcnnnngn 420
 nngnntgtan nantnaatac tntnncnang nnnnnnnga tngngnanga anttnnnn 480
 tgtgggngg nncacntngt annnaantgt ntntntncn atactggng gncngaant 540
 nnantnantn cnannnnn gngnggngg nttntntnn ctcannnngn gntnnngtgn 600
 ggcngnggng anntcnngn tanangngng ngttntnt cngannnnn tnganntcnn 660
 ntntnngctg cgnannngaa cnntcnnata nnnntgtnt tctnannctn accnttgang 720
 nngnncgng caantnnaaa atcatnnann gnnnanangn cngganngn ntnannngan 780
 ccngngaga tnggnacca gcntnaaang nntnannagt nntagangna naggnnntcn 840
 tgaganngct aangngaanc cngntnagt nngcannann cncgaganc ntntatggt 900
 tttannngac ancanaaccg ntntntctg ncatctntn ccctnnnaat cnatngggcc 960
 gccatgttna ccannananc canntcccng ttntcnnnc tncntnttt aactannnna 1020
 atcnactang ggntctgcaa gcnnacncan ancngttnc ncngtncn nactgnaagn 1080
 cntnaancnc antnnanagt ngcngnann tncgcgggn gcnntncan agnnntcnc 1140
 ttagcagcan aancgtngt acntcacagg anaacncaa cgggnancgt ggaacnnnn 1200
 nnacannna ntnacnangt tcagatcann agcgtancn nnnngncggn tagacnnana 1260
 gagtncnctg tnaatatacg nacncngnc nganantana ananatgctg ngncctgtga 1320
 cntnatncac agacnganta cncncaaen naatnatatc gcnncnnna ganagcatna 1380

gnnanannac gtncagtnag agagannana gtgatagngc gcnanngacc g

1431

<210> 1189
<211> 971
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(971)
<223> n is a, c, g, or t

<400> 1189
tttnanccta tctggagctn caccncngtg gcggccgctc tagaactagt ggatcccccg 60
gcctgcaggg gaagtgggag cgttgtctga ttctggcttt aaactctcgt gccagtgctt 120
aggctttggc aggggtcntt tnaaanncaa ttnntttaan ngggnccttg ncatngnann 180
ganntncana atngnaaaaa nngggantng nnnngnaaan annggccaan nnnnnacng 240
ncctnnnttn gaaanngnaa anggaaantn nagnggnnnn cntatnnagg ccnctnctn 300
tancaangga agaantnncc antnggaaaa ccatgggcga aagnatatat ttggggccctt 360
tgcttctgng cattcntttg gaggccacgc ggctgtgcgc tgtgacacac tgtgccncac 420
actgtggctc tnnaccngga aacaaagggc tactgtgccc tcttanacaa nctgttttcc 480
cagatacccn ctcagaanac acactcttgt gtctgnccc cnnnagagcg ctatgccctt 540
tgatgtncac gctnncacag aaaataccnn gagagttatt tccccncag aaaaaaccgt 600
ggatctctgt gacgggcac cta cntggtg gngtggtgtt cagaccnccc catnatnggg 660
tgcttnttta ataccctttt tttcttgagg gaacntcttc agcttctttc ntcactntcn 720
naactttntt ccaaacaatc atccctgggn nggggttttt anaaatnttt ttttttcatt 780
nggnnngcaa gcangggtnn ttttttntt tctaaaaaaa ttccttgccc ccncaantna 840
tttttnttg naangggagt cttaccttgc gngnttnggn ttgggggggc catccgggag 900
ggaaaattcc tccaccaan aanaaaaaa gggnttttgn angggaattt tttccccacc 960
nttttttttn n 971

<210> 1190
 <211> 971
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(971)
 <223> n is a, c, g, or t

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<400> 1190
tttnanccta tctggagctn caccncngtg gcggccgctc tagaactagt ggatcccccg      60
gcctgcaggg gaagtgggag cgttgtctga ttctggcttt aaactctcgt gccagtgcctt      120
aggctttggc aggggtcntt tnaaanncaa ttnntttaan ngggnccttg ncatngnann      180
ganntncana atngnaaaaa nngggantng nnnngnaaan annggccaan nnnnnacng      240
ncctnnnttn gaaanngnaa anggaaantn nagnggnnnn cntatnnagg ccnctnctn      300
tancaangga agaantnncc antnggaaaa ccatgggcga aagnatatat ttggggccctt      360
tgcttctgng cattcntttg gaggccacgc ggctgtgcgc tgtgacacac tgtgccncac      420
actgtggctc tnnaccngga aacaaagggc tactgtgccc tcttanacaa nctgttttcc      480
cagatacccn ctcagaanac acactcttgt gtcctgnccc cnnnagagcg ctatgccctt      540
tgatgtncac gctnncacag aaaataccnn gagagttatt tccccncag aaaaaaccgt      600
ggatctctgt gacgggcac cta cntggtg gngtggtgtt cagaccnccc catnatnggg      660
tgcttnttta ataccctttt tttcttgagg gaacntcttc agcttctttc ntcactntcn      720
naactttntt ccaaacaatc atccctgggn nggggttttt anaaatnttt ttttttcatt      780
nggnnngcaa gcangggtnn ttttttntt tctaaaaaaa ttccttgccc ccncaantna      840
tttttnttg naangggagt cttaccttgc gngnttnggn ttgggggggc catccgggag      900
ggaaaattcc tccacccaan aanaaaaaaa gggnttttgn angggaattt tttccccacc      960
nttttttttn n                                                                971

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<210> 1191
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1191
 ttganaanan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggct ntgctgangg tnacattnaa ctcccnncga nttcagnnnc atntntnggn 120
 gtgancnnta tggnncanna catncnggcc aanatcagga nctaccanac tgntccttt 180
 gacngncgat tccccaacn naaccanacc angaactgct ggcagaacta cctggacttc 240
 caccngtgtg acaatgatnt gaccntntnt gncngnaaan tttctgtntg tgaaagggn 300
 cngcgngtnt tntntccct gtggccnnta aaaannctgn nnnnttngga ncnanccna 360
 acanaaggca cgtttcttg gangatctga actggctcca tcccacctnt tntgtcctcc 420
 ntctttctcc ccagggtggt gaagggggac cggggtacat ggtgatccn accctgggat 480
 cctgacngat ggnataacta atactaaatg ctganggaa acgtgaaaaa aaaaaaaaaa 540
 aaattttttt tnggnaann aangnncggn tggggncnn nngnggggg gtgtntncaa 600
 gggtnngnnn ttnnaaaaa ntttttttt ttttntttt tnaaaaaan nnggnnnng 660
 tnanttnggt tnntttttnc ncanccccc cncnnttng aaaaaaaan nccccnggg 720
 tatnttnggg ggttttaang ccnttttngc cnnnncccc nccccccn nntgnggggg 780
 ggggaatttn nttttttnc cccnntnaa aangnnnnnc nngggcccc aaaaaaggn 840
 gggggggggn nccccctnt tnnngnacan aaannaaccn ttnannccng gggntttnn 900
 ntnanaaaaa ncggggntt tttntggaa aantnngng gggggnaaan naaaantngg 960
 gaaaaaanaa aattnttttg cct 983

<210> 1192
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1192
 naaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
 aggcgctgcc cggccggccg ccctggcgaa cgtggccgac acgaaactgt acgacatcct 120
 gggcgtcccg cctggagcca gcgagaacga gctgaagaag gcatacagaa agttagccaa 180
 agaataccat cctgataaga atccaaatgc tggtgacaaa ttcaaagaaa taagctttgc 240
 atatgaagta ctatcaaadc ctgagaagcg cgaactatat gacagatatg gagaacaagg 300
 tcttcggnaa ggtagcggtg gaggtggtgg catggatgat attttctctc acatctttgg 360
 tggaggatta tttagcttta tgggtaatca gagcagaagt cgaaccggca gaagaagaag 420
 gagaagactt gatgccttcc cctcaaagtt tctttanaag acctggtnta tgggcaagac 480
 anccaacctt cagcttaacc aggaatgtnc tctggtatgg cttccanggg ccaagggggg 540
 naggcctngga cctgtcaaaa agtgtaatng ccttggtcgg gggccnaggg ggncncatta 600
 atgaacaaaa cagctggcct ccagggatgg ngccacaaaa tccagctgng ggggtctgga 660
 ctggaatngg anaagggaaa ggtaatttat ggaaaagggn ccgtngtaaa aaangggang 720
 ggaaaaaaag gggnttaaag aaagtccaan aattnttgaa gtcccccttn aaacaaaggc 780
 ctgnaacctt gggccggana attcctntta ctnggggaaa ccaaaccngg nccccnggg 840
 gnnngnancc cggganacat tgtntttttt tgcttccana aaaaaanaac cttggngggg 900
 tttcccanaa anaccgggaa tggatttggc ccattgacaa tttaaaaaaa agggacttgg 960
 tggaaacctt tttt 974

<210> 1193
 <211> 979
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(979)
 <223> n is a, c, g, or t

<400> 1193
 ttnaanacaa nctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg agggtttgcc gccgggacac agngnncgtg aaaaccannng 120
 ttaaacctaa gccaaaatgg gaaaggagaa gaccacatc aacatcgttg tcattgggca 180
 cgtagattca ggaagtcta ccacgactgg ccatctgac tataaatgtg gcgggatcga 240
 caagagaaca attgaaaagt tcgagaagga ggctgccgag atgggaaaagg gtccttcaa 300
 atatgcctgg gtcttgaca aacttaaagc tgaacgtgag cgtggtatca ccattgatat 360
 ctccctgtgg aaatttgaga ccagcaagta ctatgttacc atcattgatg cccaggaca 420
 canagacttc atcaaaaaca tgattacagg cacatcccag gctgactgtg ctgtcctgat 480
 cgttgctgct ggtgttggtg aattngaagc cgtattctc caagaacggg cagaccctg 540
 agcatgccct tttggcttac acccttgggt gtgaaacaac taattgggtg ggcgttaaca 600
 aaatggattc cactgagccg ccctatagtg agtccgntan aaannnnntt tggnnnnncc 660
 ttgttgccnc cngttttnt tanaangtnc naangggccc gggnnngnnn ncttttnncc 720
 ccaaagnttt nngccaaaac tggtttnaaa ccctnnttn atnccccnnn gtcttttttt 780
 ncnnnnnncc nggtgcaann tnatggncc tcctnnnnng gggccccnc cntncnnntn 840
 naacccnnt ggttttnnnn ccnntatng naacntcnnt cttcaanntt gcnctaanaa 900
 actaccgtn tnnnnnnnt nntcntnann gnnntnttn tnnngnggg nntntnncnn 960
 nnatttncc cttgnnggc 979

<210> 1194
 <211> 932
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(932)
 <223> n is a, c, g, or t

<400> 1194
 ttganaanac tggagctccc cgcggtggcg gccgctctag aactagtgga tcccccgggc 60
 tgcaggcccg tgtggccctn tagtgagtng nattacatgc cgagctccag acagacatca 120
 acgagctgac cagcgacctg gaccgctcag gaatccccta cctggactat aggacctatg 180
 ctatgcgagt cctgttcccc ggcatcgagg accatcctgt cctgcgtgag ctggagggtgc 240
 agggcaacgg gcagcagcac gtggagaagg ccctgaagct cttcgcgcag ctcatcaaca 300
 acaagggtgtt cctgctgacc ttcattccga ccctggagct gcagcgcagc ttctccatgc 360
 gggaccgcgg caacgtggcc tcgctcatca tgacgggcct gcagggccgc ctggagtacg 420
 ccaccgacgt cctcaagcag ctgctgtctg acctcatcga caagcacctg gagaacaaga 480
 accaccccaa gctgctgctc cggaggacag agtctgtggc agagaagatg ctgaccaatt 540
 ggtttgctt ctctgcaca agttcctgaa ngantgtgcc ggggagccgc ttgttcatgc 600
 tgtactgcgc catcaagcaa gcaaattggag aagggcccat tgacgccta cgggcgaagc 660
 accctattcg ctgacgagga acaacttatt ccgggancaa aatngaacta ccaanaacct 720
 tgattttgaa ctgngttaa tcttgacaan caanaacagc cccggaaatn ccaagngaana 780
 gngttnaaa cttgggaacc cntcaccac aggttcaaag ganaaaaaat cttttgatgc 840
 aagnntaaaa aaaaacgtgg ccccttaatt tccaaagggg gcccaagggg ntttggggan 900
 attgggactt tnggaannng gggnaaaaaan gg 932

<210> 1195
 <211> 1013
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1013)
 <223> n is a, c, g, or t

<400> 1195
 gcctatanng agncgnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60

caggaattcg gcacgaggtt tcttttctct ttttcagtaa aatgcagtga ttatttttat	120
actttatggt acttaactgt atattataga tattctttct cataactgct tgggcatcta	180
actagtactt ctttacagag gaaaaaaaaa tttcctaagg gcagatctac catatttcat	240
ttactcattc ctatgttcac aggaactcac tttgtgtgtg tgtatgtatt ttggaggact	300
gcttttggtt tgatcttggt gcttttggtt tttgttttgg ctgccaaaag tgatggcaca	360
aatatctagg aagacttttt tccaagata ccatatccaa aagaaacata aagcttgact	420
gtcatttttc aaagcagata agaggctttt aaaggatgag tttcctgtgt gaggacaaga	480
ttctgccgtt tgactgttgt tgttaaagtc ggtaagtcac gtctgactct ctgtgaccct	540
gtggactggt gtttgccagg ctctgtgtc catggcattt ccagacaag aatactggag	600
tgggttgcca tttccttctc aagcaatttg atatggttct tatttttatt ccaaaagctg	660
aacgtgcttt gccgggcctg gttagtgaac ataggactgg aaacgccctc ctggttttaa	720
gaaatgcctc tngnccaatc cagttgccgc tagccacgnt ttcctcttta atctaaaggt	780
atntaacnat tagaataaaa ttcccgttca nnttcctttn gnncccttnc cccatatcaa	840
taggctccnt ggtggtnnnc gtggtttgaa cttttaattg cntgggcccc tngaaatgtn	900
ttttnnannc aattttttat tatnaccng atggggggnnc nggggctanc ccccttan	960
cccccggttc ttgaaanntt ttcccctact ggcaaaacgg cnttttgaac nct	1013

<210> 1196
 <211> 972
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(972)
 <223> n is a, c, g, or t

<400> 1196	
nncaannctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggg gcctgtacgc atgcggggag gctgcctgcg cctcggtgca	120
tggtgccaac cgtctgggtg caaactcgct cctggacctg gttgtcttcg gccgggcgtg	180
cgccctgagc atcgagagt cctgcagacc cggagataaa gttccctcga ttaaaccaaa	240
tgctggggaa gaatctgtca tgaatcttga caaattgaga tttgccaatg gaagcataag	300
aacatcgga ctgcnactca acatgcagaa gtcgatgcag agccatgccg cggtgttccg	360
tggtgngagt gtgctgcagg aaggctgtga naagatcagc agcctctacg gaacctgcg	420

catctgaaga cgttcgacag ggggaatggt ctggaacact gacctggtgg agaccctgga	480
gcttgcaaaa cctgatgctt ttgtgctctg canaccatct acggagccgg agccccggaa	540
ggagtcgcgc ggcgccaccc caggaggagac ttcaaggaga gggttgacga atacnattac	600
tccaanccat ncaggggcaa caaaaaaacc cntttgacac acttggagga acccacgctn	660
tctacgtgac atcaaaaantg ggaagggcac cctgagtcaa acctgtatcg aaaaactttt	720
aacgaaaact gattggncca tgtttcccca anccttcgnt ttttaatgag ganaaangng	780
gtttccctgg ccnnggnaat aannanaaaa nccnccccc ccggtttagg gnnnnncccc	840
cnttttttna ttgggccctt nnnnaannng gggggggcct tttnnnaaaa aatnctnncn	900
nnaggcccn nnnntnnccn nnnnggggta nnnnnnnnt tnnccccggg nntttttttt	960
nnaaaaaaaa aa	972

<210> 1197
 <211> 1320
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1320)
 <223> n is a, c, g, or t

<400> 1197	
ttctcaagg nggtgcggan gcgagcctca cacgtcccn tnnacncacc cnetggnant	60
ctcctnacen tgcggcntga acgcgancct cntatncngt gtgcnccccc naacnngana	120
tancaanncc agccacnnag anntttcgct attctnatan ggtnncantt angnaaccn	180
tggggnnntt ctncatngct cagnacnttc taagttnnnnt naagcgccn anntcnatgc	240
nccacttngc cgnaacgna gngngganca aganngnnnc cnnannnaac ngngtttggn	300
gctncnanga nnnaaangnn aatntntnt nnngggnant gggnnccngg ngggntntnt	360
nntnnatngn gngtnnaagn ggnacagtnc antctcangn nnnncnattg nnggnngnnn	420
acggcnantn gcntgngngn gtngnagnag cgnnnttgnt tcncgngncg nctaatagcc	480
ctatggggnn nnnacnntnn nnnntnnan ggggncggcc nggcngnnnt ntntgagatg	540
nnntgngttg gatngnnnn nacatntnt ntannnggt nnnananngn gnnnnncn	600
gngtnntnt atnnnnnggn anntngggg gacnnngagt natnnngtn nntnnngcag	660
agnggaccgn ngncagnntn ngtnntntnt naanccggnc ccgaanngct aatgngtggn	720

tcnannanan tcagnnnnnn nnggnngnat nnnnnaggtg ngannnnngnn ggngggggnnc	780
annatncggg gggantccnt tnnnctntgg ngnttagngg annccanngn acgtgntngn	840
nnngacannn naccnncnc ntttgtaagc ttctcnanaa agntagggcg gccaacccnt	900
ctccctctnt cctcttcatn naagtcttac cncnanggcc nnnaccgngc ctnttgcaact	960
tnntgcngnn ngcctacgng ncngntgcgg tacngtgnnn tnnntgcngg gaanncnnc	1020
ncgtncgtcc gnnantacnn nngcggcnct ncnaantcn ncngtacncn ctgcngcngc	1080
acgnnnngng tggtinctga canagttingc tntgagnagt cncngnncnn tntnnactna	1140
ntgnagcgta gcggagagan cagaanggca ngtcgccgct gnncngtagh nannctgnca	1200
nngccggntg nntntnttgt caacgnagcg nncnccacag tngngantgc nctngngngc	1260
ggcgngngtna gggnagnnag tcgtntgcnc nnnngnganat cgcgaancnt nananagccg	1320

<210> 1198
 <211> 965
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, c, g, or t

<400> 1198	
ttnagcctat ntggagntnn annncngtg gggccgctct agaactagt gatcccccg	60
gctgnaggaa ntccggcacg agggccacac cgaagcctac cccagcttcc tgtctgtgga	120
acactcgggc ctggggctgg nccctgccta tgggtnttta caaanccnt acggaatnac	180
nttcnancgg cngcngccan naccnagggc cngcnagggn ccaaanccgg ggnancnnac	240
ccgnncnttn ccnnannng nncnngnttc nncnttnaac nnggcttcct ngaaccaa	300
aannttccgg tttaaaacnn gacttttaga aaggganncc caccngnaa cnggcttgga	360
anttttacn aacttnacca antttccact ttnaacggt tacgcgaaca cattcacang	420
gcacanggaa anncccatcc acngggagag tgtccgggtt atatcaaac aggggggaca	480
tnnagagagt gngagcacct tttannctat ancactgngn tctctttgcc ccaaanccn	540
agagagngtg tggctttgcn cgggaaaaga ntgtgganac ccanaaacc ccgggcggg	600
acttttnaca nagaggtgtg agtgnncccc cgantantgc actggnggat aaaaaatata	660
tatntcttct antnttacac ccnncntttt ggactacncn cgaggncccc gcncccttct	720
cttnttttna ngnggtgggg agggngggg ccacaggact tcctccccg cttgtggaag	780

nccccaaacc ccgttgnccc cnggggcccgc ngnttntttt nttttttttt ttnaagaccc	840
tctttttctt gnngggcccc ttttttttnc cccccccng tttntcctt tttncntncn	900
tttnnnnnaa annnggggaa gggggaacct tttttgggaa aaaaaattcn nttnttttgg	960
aaaaa	965

<210> 1199
 <211> 965
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, c, g, or t

<400> 1199	
ttnagcctat ntggagntnn annncngtgg cggccgctct agaactagtg gatcccccg	60
gctgnaggaa nttcggcacg agggccacac cgaagcctac ccagcttcc tgtctgtgga	120
acactcgggc ctggggctgg nccctgccta tgggtnttta caaanccent acggaatnac	180
nttcnanccg cngcngccan naccnagggc cngcnagggn ccaaanccgg ggnancnnac	240
ccgnncnttn ccnnannng nncnngnttc nncnttnaac nnggcttcct ngaaccaa	300
aannttccgg tttaaaacnn gacttttaga aagggannc caccngnaa cnggcttgga	360
anttttacn aacttnacca antttccact ttnaacggt tacgcgaaca cattcacang	420
gcacanggaa anncccatcc acngggagag tgtccgggtt atatcaaac aggggggaca	480
tnnagagagt gngagcacct tttannctat ancactgngn tctctttgcc ccaaannccn	540
agagagngtg tggttttgc cgggaaaaga ntgtgganac ccanaaaccc ccgggcgggg	600
acttttnaca nagaggtgtg agtgnncccc cgantantgc actggnggat aaaaaatata	660
tatntcttct antnttacac ccnnctttt ggactacnnc cgaggncccc gnccttct	720
cttnttttna ngnggtgggg aggggngggg ccacaggact tcctcccccg cttgtggaag	780
nccccaaacc ccgttgnccc cnggggcccgc ngnttntttt nttttttttt ttnaagaccc	840
tctttttctt gnngggcccc ttttttttnc cccccccng tttntcctt tttncntncn	900
tttnnnnnaa annnggggaa gggggaacct tttttgggaa aaaaaattcn nttnttttgg	960
aaaaa	965

<210> 1200
<211> 975
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(975)
<223> n is a, c, g, or t

<400> 1200
ttnaaaaaant ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggcg gacatgctgg tcgtgcgagt ggttgagatg tccatcctgg agcctgacgt 120
gccctccca ctagtctcc tctcccagcc cagctacctc aaagtcttcg tccccaaagca 180
caccaggag ctgcggctgg agctgcaggg ctgtgtgtcc aatgggagcc tgggctgccc 240
tgtgcacctt accgtggggt cggccaccct gccaggaaac ttccagaagg tgctcacttg 300
tagcgatccc accacggcct gccgcctgtt gttgccttna ccacntggn aacggngggt 360
gcaagtgcg gccaaaagcc tggcggggcc ccgcgtgttg gnnacgttaa tngccggggt 420
tgccttnaca gcttgcanac cgtgaattgc naacttcaan ggcnttttga aaaanaagcc 480
cnaaccaa an nagcaccgcn tccacgggcc cgccgccctt gagccccaac acccaggacc 540
tggaccaaag tggcnaggca ggcagnggcc cttntgntt aaggagcttc cccatcctgc 600
gggaaaacat ggatgtggng ttttgggcc tttccggccc ctggaaaggg ccttgngggc 660
tcgtgcaagt cggacattgc cttaagngat gaaaattgcn cctttaacac gggcatggga 720
cagngggggg cttccttgaa canttttttg ggaaccgtaa aacaaaaacc gnggattggc 780
caacaaccac cctngggggg gggccttggt ngaaccgncc gggtttgccc tttnttnaa 840
ttttaaaaan tttgntttta attgnaccaa aaancttttt ttcaagggtt aancccttt 900
ggccccttga nngccttngt tttccaaaa gncaaaccctt aaaanttccc ttaccctaaan 960
aaaaanaaaa attgg 975

<210> 1201
<211> 939
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(939)
<223> n is a, c, g, or t

<400> 1201
naaaagctgg agctccccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggccgncag gacacaggtg tcntgaaaac caccgttaaa cctaagccaa aatgggaaag 120
gagaagaccc acatcaacat cgttgtcatt gggcacgtag attcagggaa gtctaccacg 180
actggccatc tgatctacaa atgtggcggg atcgacaaga gaacaattga aaagttcgag 240
aaggaggctg ccgagatggg aaagggctcc ttcaaatatg cctgggtctt ggacaaaactt 300
aaagctgaac gtgagcgtgg tatcaccatt gatatctccc tgtggaaatt tgagaccagc 360
aagtactatg ttaccatcat tgatgcccca ggacacagag acttcatcaa aaacatgatt 420
acaggcacat cccaggctga ctgtgctgtc ctgatcgttg ctgctgggtg tgggtgaattt 480
gaagccggtg tctccaagaa cgggcagacc cgtgagcatg cccttttgct tacaccctgg 540
gtgtgaaaca actaattgtt ggcgttaaca aaatggattc ccttganccn ccctatagcc 600
agaananatn cnaanaaatt gttaaggaag tcagcnccta tnttaanaaa attggntaca 660
accccgacac aagtacattt gggccaattt ntggctggaa tggggacacc atgcttaaac 720
ccaaggctaa tttgccctgg ttcaagggat ggaaagtcnc ccgtaagggc cggcaattgc 780
cnatgggaac ccccttgnt tgaaacctt ggaatggant tttggcacca aatttgncca 840
aatggaaaaa anccttgggg ttggcctntt nccggaangt nnttaaaaat ngggggggtt 900
tgggncctgg ccccttgggg ggcccggngg gnaaacttg 939

<210> 1202
<211> 977
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(977)
<223> n is a, c, g, or t

<400> 1202
ttnaaaaat ctggagctcc accgcggtgg cggccgctct agaactagt gatcccccg 60

gctgcaggcg aacagtcctc acgccgatct ctttinctgn tcccaccgc gccaggtgac	120
acggagagct gacaccatgg ttcatacaggn gctctaccgg gcgctggtct ccaccaagng	180
gctggcggag tccgtncggg ctggtaaggt gggccctggc cttcggggtgc tggatgcgtc	240
ctggtactcg ccgggcaccc gcgaggcccg caaggaatac ctggagcgcc atgtgcccgg	300
cgcctccttt ttgacatan aggagtgtcg ggacaaggcc tcgccttacg aggtgatgct	360
gcccagcgag gcgggcttcg ccgactacgt gggcagcctg ggcatcanca acgacacgca	420
tgtggtggtg tacgatggtg acgacctggg cagnttctat gcgccgcggn tctgntggat	480
gttccgtgtg ttnggccacc gcaccgtgtc cgtgctcaat ggtggcttcc ggaactggct	540
gaagganggc cacccggtga catctgagcc cttacgccag aagccagcca tcttcaaaag	600
ccacgtgaa ccgctccctg ctcaagacct acgagcangt gctggaaaac cttcgaatca	660
aaaaaggttt caacttggtg gaattcacng gcccanggg cggtacctgg gcacacaagc	720
cggaancnan atcagtagga ctggaactcg ggccacattc cgaaggcttc ggtcnacatt	780
gccctttcat tgaactttct taaanggagg aatggntttt tnaaaaaaaaa cccaaaagga	840
aacctccctt gcccttggtc caagggccca aaaaaggngg gacctttaan aaaagcccct	900
ttttttggcc ccattggccc gggaangngg tcaccccncc ttgcccgaat tggccctggg	960
ttgntttaac ctttngg	977

<210> 1203
 <211> 932
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(932)
 <223> n is a, c, g, or t

<400> 1203	
agcctatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggg tttgccgcng ngacacaggt gncgngaaaa ccaccgttaa	120
acctantcca aantgggaaa nganaanacc cncatnaaca tngttgtcat tggncacgta	180
gatncaggga agtctaccac gactggccat ctgatctata aatgtggctg ggatcgacaa	240
gagaacaatt gaaaagtctg agaaggaggc tgccgagatg ggaaagggct ccttcaaata	300
tgccctggntc ttgnacaaac ttaaagctga acgtgagcgt ggtatcacca ttgatatctc	360
cctgtggaaa tttgagacca ncangtacta tgntaccatc attgatgccc caggacacat	420

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anacttcac  aaaaacatga  ttacaggcac  atcccaggct  gactgtgctg  cctgatcnt  480
tgctgctggt  gttgngaata  ttnaagccgc  tatctccang  aacgggcaga  cccgtgagca  540
tgcccttttg  cttacacnct  ggggtgggaaa  caactaattg  gtggcgntaa  caaaatggat  600
tccactggac  ccccctatag  tgaatcnnna  ttaccannng  gnggngaacc  ctinnaancaa  660
anaggntttt  anntgggggg  nntnncggnc  ccnnggggnn  gnnnnnnngn  nnnnnnnnnn  720
nnnnnnnnnn  nnnnnnnnnn  nnnnnnnngn  nnnnnncnnn  nnnnnnnnnn  nnnnnnnnnn  780
nnnnnnnttt  nntnnnttt  nnnnnnnnnn  nnnnnnnnt  tnnnaaannn  nccnnnnnn  840
nnnnnnnnnn  ccnntnnnnn  nnnnnnnnnn  naannnnnnn  nnnnnnnna  nnnnncnnnn  900
nnnnnnnnnn  nnnnnnnnnn  gggnnnnnnn  cc  932

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<210> 1204
<211> 1487
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1487)
<223> n is a, c, g, or t

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<400> 1204
gnncccttant agnggangng cggaatnta acngngggga ggtccccant taccattaat  60
ctgcctnnca tccccncgg agccttgcat gagcanatcn ccggtcatcn gaggagagnt  120
ttcacngggt ctcttaagaa tacangtgnc ngtgtcctca ggggggatct gntaatntan  180
tttctccttc tntnaanccg tnanaannnn cnatacacna acgtanantn aaaantaann  240
ntcttnnana tttcttnnag naggcnncan ccgcgcnggc cnactcngtn tcagncnnnc  300
tnttnnanna ngtaaagnag atnntngtgg aaanggnagg ntanncnann ngngnattgt  360
ncagcagctn ntngactng ngngangcgn ntttatnnag gatctntaaa gnnnnnnnnn  420
nnntnnnnan ttgctnctnn tatntngagg nggnnnnnnn gngnantgnn tngangatnaa  480
ttnnnngcgn nannnnantt tangngtcgg ngtnacnncn cngnagncgc atnannatta  540
nntggngtnt ntatntttac ngntatncta tntgtancct cnntntntnn ncgncnnng  600
cncnngnttt nntntntnc tatnatnngn tcacnennng ngntcnagn nnggctgga  660
gctacgatan cgaatcgatc nngtnnnngcn cgnntntgnt ncantgcngg gngcgctgg  720
cgncgctagg cntaannntt ncnccatna anngangcag nctacnnana cncactgacn  780

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gntgattaca ttagattang annannganc ancngnantt gtcananact gcgtncnnca 840
 acgnagangn nnnngctngan acnntgngnn tctntgnnct ngtcaatnng nacantnngn 900
 cnggnaggca gtagnnnagt aattcncgcg ncantntagc tnnngacncn ggancgtnan 960
 gcccnnnnt gtnnaanngn gncggcnatn ngncntannn tnancantgn ngcgcgcaen 1020
 ttgtnatctc cncgcaggna gaatanagag ncgnnngtgn gngctntcng ctatggcngn 1080
 antcgcnnc gtaanagagt gatncncggn ggnntangcc gngtnnnna nncgcgnntg 1140
 tgnnncgnnn cngncgcng acagantncc ncgcncgcga ntntncanct annngnanca 1200
 nagagnctn gtntntnnnn gaagttacgn nttanncaan cgntagtnng tntnancanc 1260
 gtcncncga antnccacnt cgttggtgtn ttantngnan ncgtcngta gntatcantg 1320
 ntganagcgn gnggngctg gcgtntcgg atantntcng ngncantnag natgcgcgnt 1380
 agacagtnan cngnggngn catnaatcng ngntngncgn acngtnngcg acanagtnan 1440
 ntcgtgncga ncagtgactn tcacgntcnc nnnantatca cntnccg 1487

<210> 1205
 <211> 1126
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1126)
 <223> n is a, c, g, or t

<400> 1205
 gantnnantg nngccganc ncngggcggc cgctctagaa ctagtggatc ccccgggctg 60
 cagganttcn nncacgagga natntcttta anagtaggag aggggccaat agctgncatc 120
 atgactccaa ctcttaaacc nggnttnacn gattantaan nangncntc atnancacn 180
 anancctggn tcnttatacn cncgctcnca ttncnaacnn tttntncncn tcnnnnnnnt 240
 ntcttnnnnta cantncntnn ntncatctnn nancacntct agnnntantn ccgacattcn 300
 cncnnctnt ncgnnannct nntnccccgc tntctnctcc nnaactantc tgncatatch 360
 cngagccncg tantatgnac ttntnnctn nnnaaatanc nntntncct tctnancnn 420
 gacctctnc tncntnatnn ncancnnna ccntcttgt ttnnnngcc cnatntntt 480
 nnnngtnann ctntcannt nngcnttact cgaatncgta tnnnatgtn acnttctttn 540
 cttntntcc nttattnnct atnnccannc ngnaacntt tttncntncc nctctatnca 600
 cngtntccn cccctctgt ncnacnctnc tntncggct nncntantnc gagnnccn 660

ttanctgggt cncgngcttc nncnagctng angnnctcn nccccnana ctcntcccc	720
ttctctctgt atccctcntg nntncanntc tatnnntcnt attnntnagt ncnancannc	780
accnantan tnnnatnccn tntaccncn nctcannnca ccnatnntn catntactag	840
nttcnttntc cgcacgnnnc tgcctctctc gtcctcnttn tntctctgat tncnntnncc	900
ntgtttannc ttccctacac gttnttttnc ntntctcttt ntttctcntt tttnacnacc	960
tactncnttc ttctgtcttnc ttatctnnta ctcnntttcn gttccccctnc tcatccctct	1020
cnaagnntcn cntaacnttc tctagctttt nntntgnatt ctengntcc ctctctccta	1080
cntaccccn cngnaantct cttnaccatt cttnncctc ggctcc	1126

<210> 1206
 <211> 973
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(973)
 <223> n is a, c, g, or t

<400> 1206	
gccctatctg gagctncanc ncgagnggcg gccgctctag aactagtgga tccccgggc	60
tgcaggaatt cggcacgagg agaggtgcaa ctttcttcgg tctccccgaa tccgggttca	120
tccgacacca gccgcctcca ccatgccgcc taagtctgac cccaacgaga taaaatgtac	180
ctgaggtgca ccgggtgggg gaaagtcggg gncccgntct ggcttgncc ccaanaancg	240
ggcctttggg ncttgctncn aaaaagggcg gggatgacnt ngccnangnn actggngant	300
ggaagggnct gnagantacn gggnaactgn ccnttcnnaa cnaannancc cnaantgnng	360
gggnaccntt tgnttntgnc ctnnnnatta aancccttaa ggnaccnccc agggaccgaa	420
agaagccgaa aaaccttttag cncnnnggaa acnttacttt tgatgaaaaa gncaacnttg	480
nccngnana gcnngattgg nctctaactn nanaactttt tggaaccntt naagagatan	540
ctggggaccg cgccacatct gtggggctgc aatgtgtgat ggggcgccac ccctcatgga	600
catcattgan gatatnaac actggcgccc atggaaatgc ccccnttgt taaanaactg	660
cgcaggggna atataaggng ccctttttca caccncaaaa aaaaaaaaaa aaannttngg	720
ggggggggcc gggnacccaa nttttccctt tnnnnngggg ggngnnntta acnccccnnn	780
nnnnncntc tcnctnntgt nnnnnncntn tnnntnnacn nnnnatnntn ctctnnncnt	840

ttntntnttc tnnnnanatt nnnnttnnnt nnnnttnttn tnnncttttn ncnnttgna	900
ntcnnnngnt tnaannncnt tnnccattnnn ncntnntnnn tngctnntnc nnnntnttnc	960
ttntntntnn ntc	973

<210> 1207
 <211> 1033
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1033)
 <223> n is a, c, g, or t

<400> 1207	
ttnagcctat annagagcgn attacagtgg cggccgctct agaactagtg gatcccccg	60
gctgnaggaa aaaaaattgt aggaagtcag cacctntntt aagaaaattg gctacanccc	120
ngncacanta tgcatttggt gcnaattctg ggctgnangg ggnncaacnt nctaaacna	180
atgnctatna ncccnnggtt naggganngn aaggcanccg nnagggncgg natngccng	240
gaaccnncc tngntnaact ttngattgga ttntngcanc nacttgcccn antgnnnaan	300
ccttgnntt ggcttttccn gnngnctatt aaaatggggg gattggtact ggccctgtgt	360
ggcatgtgt gagacatggt gttctcaaan actgtgnatg gtggtcant nttgctctca	420
cngcnatgtg nacacactga gnatganacc ttgtgtaaaa tgcncnctg taancatttt	480
gtgaaaacct ntncngnga cacatgtgng ctttttatnt gnaaaaaaca cgttttgtnt	540
aaaaatatcc cccttggnan atntgnggtg ttggancanc acaaatgann cccccctng	600
ganacntnnc tnngtttnc nntcncgan gnttttntt gnaanctna cgggcnnnn	660
cagagctggt atnttgcccc nngtgnctgn gantngttgn caccacanct cantagctn	720
canantnngn ctgnagcccn aganaagaaa aaatagatnn ttccnttttt ttggaaaaaa	780
aantngcaag gaaagnngcn ctccatattc ttcnaaaaana atggtggacg gacanccnc	840
nattggttta ttgnttcgct tgggggaann ccctnttttt ttgaaaaag nannntttg	900
attaantccn cccccngggg gncncnttt tttnttccc cgacnnagaa aaaaaancna	960
cccnttggtt ggggggnntt ccnaannagc ggcctnaaa agagangntt tgnatnctg	1020
cttnggaac ncn	1033

<210> 1208
<211> 1033
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1033)
<223> n is a, c, g, or t

<400> ' 1208
ttnagcctat annagancgn attacagtgg cggccgctct agaactagtg gatcccccg 60
gctgnaggaa aaaaaattgt aggaagtcag cacctntntt aagaaaattg gctacanccc 120
ngncacanta tgcatttgtg gcnaattctg ggctgnangg ggnncaacnt nctaaaccna 180
atgnctatna nnccnnggtt naggganngn aaggcanccg nnagggncgg natngccnng 240
gaaccnnccct ngntnnaact ttngattgga ttntngcanc nacttgcccn antgnnnaan 300
ccttgnnttt ggcttttccn gnngnctatt aaaatggggg gattggtact ggccctgtgt 360
ggtcagtgtg gagacatggt gttctcaaan actgtgnatg gtggtcanct nttgctctca 420
cngcnatgtg nacacactga gnatganacc ttgtgtaaaa tgcncnctg taancatttt 480
gtgaaaacct ntncngngga cacatgtgng ctttttatnt gnaaaaaaca cgttttgtnt 540
aaaaatatcc cccttggnan atntgnggtg ttggancanc acaaatgann cccccctng 600
ganacntnnc tnngtttncn nnctcncgan gntttttntt gnaanctnna cgggcnnnan 660
cagagctggt atnttgcccc nngtgntgn gantngttgn caccacanct cantagcttn 720
canantnngn ctgnagcccn aganaagaaa aaatagatnn ttcntttttt ttggaaaaaa 780
aantngcaag gaaagnngcn ctccatattc ttcnaaaana atggtggacg gacanccnc 840
nattggttta ttgnttcgct tgggggaann ccctnttttt tttgaaaaag nannnttttg 900
attaantccn cccccngggg gncncntttt tttntntccc cgacnnagaa aaaaaancna 960
cccnttggtt ggggggnntt ccnaannagc ggcctnaaa agagangntt tgnatncttg 1020
cttnggaac ncn 1033

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<210> 1209
<211> 915
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(915)
<223> n is a, c, g, or t

<400> 1209
naaaagctgg actccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc      60
aggaattcgg cacgaggccg ggttcggatc gcgagtcgc gccgcagcgg gcaccgcggt      120
ccggagctat ggcggtcgtc gtccgagtag tttattgtgg cgcttgaggc tacaagccca      180
agtatcttca gctcaanaag aagttagaag atgagttccc tagccgtctg gacatctgcg      240
gcgagggggac tccccaggtc accggcttct ttgaagtgtt cgtagcggna aagctggttc      300
actccaagaa gggaggcgat ggctacgtgg acacggagag caagtttctg aagctggtgg      360
ccgccatcaa agccgntttg gctcaggcct gatgtggcct aaaggcagag accagtaatc      420
gtggcccagc ccctctcggc agacgcttca tgacaggaag gactgaaatg tctcttggac      480
gcctggtcct tccctgatgt tctcgcggcc gccggttgga gcananatgg acacccttg      540
tctttgcctg tgcgtgcgtg tgtgcntgtg tgtccccca cgctggtcct ggtgccttcc      600
ccatccntca tnaacatgnt ntnaccagcc ttccccatgt tatncattta tcttnnngcn      660
cctngggngg ncctannnta gcttcttttn ngggggagcc nanangntaa ancganggtn      720
antttcaa at ttcanngnga tggaacaact canaangcaa taaatggnga tgaggtncc      780
ctgntnnaan ntntgnnttn tntngggggn ccnnttcccc aantggccaa aanttggggn      840
nggnntnaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn annnn                                                    915

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<210> 1210
<211> 1200
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1200)
<223> n is a, c, g, or t

<400> 1210
ttnttgaacn anntgnntgg gancctccna ccggcggggg ngcgcccgct ctagaactag      60

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tggatccccc	gggctgcagg	aaaaaaaaaa	aaaaantttt	gggggggggn	ccnnggnncc	120
caanntccnn	cgggggngcg	gnttnaaaat	anaaacntgn	nctaanccaa	atccnnntat	180
ttnnantnnt	tnnnntaana	ggggattant	ccnngnnagn	antctcctnt	tcncattnat	240
anacnantcc	nntcnntant	attntaatnt	nnaaaactta	naataanatt	gnnagnattn	300
gnnttattan	cttinctnat	nancnannat	tttcnannca	ntaanantnt	atcttanttt	360
ntnnanctta	tnanctntat	tctnaaanatn	annannnagg	annatagggn	caaagnntct	420
cnnccnntan	ntagngcgan	ncctnnncna	nncnaaggat	ngncnttttn	nncngannta	480
nngtngnncn	ngcnntggng	caattaancc	aaantnacao	nctcatggtn	ggnggggtgtt	540
nccnacggnt	gactaacctt	ggngccantt	tctctantgt	cncccagcng	gnactnngtg	600
gnangtntcc	nntgnggtnt	tgnancacac	nnacccgtnt	acctgactt	naaatggntg	660
gaatttncgg	aaactgnact	naaagngang	gccaccccn	gtngannanc	ntnnatcccc	720
ntcaannccc	caaaanctca	anncatncct	tncaanancc	caangcctcn	aacctanccn	780
nncantgnnt	actaaaantt	aataaacaan	nttcctnnna	tnanacctta	ntaatccnnc	840
anangtttnn	nngcctnnaa	ngntttatcc	gcgnnnnccn	ttngnathtt	nattgntntc	900
tnccnnacat	nntnncaant	aatcnatcnc	nnttancncn	nctnctgann	naccaatntn	960
cnannnnctt	gttnccnatt	nnacctncat	ttnncnnnca	atcacngatc	nnnacngcaa	1020
tttcnnaaac	cnntanaant	ngnganttg	gncncncccc	ntcnccnctt	tctcactcnt	1080
ntctanataa	tnaannatnn	caccatctac	caacttncnc	tncccnccca	nnccaaggng	1140
ngccctctt	tanttntntt	tnnnancnta	ntntcancat	anntactnat	atnnaattcc	1200

<210> 1211
 <211> 1041
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1041)
 <223> n is a, c, g, or t

<400> 1211	tttgannncn	nttgagntn	nnctacaggg	gcngncgctc	tagaactagt	ggatcccccg	60
	ggctgcaggg	ngaaaannac	cnttaannct	aagcnaacat	gggnaangtn	ntcaccacaca	120
	tgaacntcnt	tgnnattgng	cnngtaaatt	natggangtc	tacnacnacn	gancatatgn	180
	tctanaaaacn	angctggatc	tataagaanc	nagctgggtc	tatganaagt	ggnccttaaca	240

tgtatgacca cttttttaan cagccanatc acaatgaaaa catcactact gtaatgcttg	300
gcccagatg ttatttcctc actatcagtt gagaccagc aataaatata aaacgttgca	360
aaaaaaaaa aaaaatctgn gggggggggc cgngntncca ntttncnnt angggnnngt	420
ntttnnnnngn ntgggcttnn cctcaanttn tgctgcttnt tnntgatgaa attttgaant	480
ccnnntnttt nctntcgaac nnnngcaatan ctgttnatnt ttccnntttt tngngctttcc	540
tnttctcagt tttntaaaca ttnttantnt tnnngagctt ttancncnna tgnnttttcn	600
ccnggtnnac nctnncnntt tgctnata tnttatncan tntcnccttt ttttctngaa	660
cttttcccn gntttttttc ttnaannann attnnnctnt nttcctnctt ttntatttna	720
ttntntntnt ttttctaatt ttcttntcnt taganttnng cnttanaacn attcttnnaa	780
ccctnctnt tntcaatttt acnnnnntta nttntnctg gattttttta tttncctctc	840
nctntnngac tngnntannt tttcanactt gnanantntc nctnttttn natacntntt	900
ncgtttaccc actanngttc attcctgtt tntcnattct ntnttannta ntcnctatg	960
ntntnnnga nntntcntna nnattnngan ntntttatnt natnttttc ccgnntttta	1020
tntattcttt ngtgnnnnn n	1041

<210> 1212
 <211> 970
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(970)
 <223> n is a, c, g, or t

<400> 1212	
aaanctggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca	60
ggaattcggc acgaggaagg tgcaactttc ttcggtcgtc ccgaatccgg gttcatccga	120
caccagccgc ctccaccatg ccgcctaagt tcgaccccaa cgagataaaa tgtacctgag	180
gtgcaccggt ggggaagtcg gtgccacgtc tgccctggcc cccaagatcg gccctctggg	240
tctgtctcca aaaaaggtcg gtgatgacat cgccaaggca actggtgatt ggaagggctt	300
gaggattaca gtgaaactga ccattcagaa cagacaagcc cagattgagg tggtagcttc	360
tgcttctgcc ctgatcatca aagccctcaa ggaaccacca agggacagaa agaagcagaa	420
aaacattaag cacagtggaa acattacttt tgatgagatc gtcaacattg cccggcagat	480

gcggcatcgg tctctagcta gagaactttc tggaaccatt aaagagatcc tggggaccgc 540
ccagtctgtg ggctgcaatg ttgatggccg ccaccctcat gacatcattg atgatatcaa 600
cagtgggcgc agtggagtgccc cccgctagtt aagaactgca aaggaaaata aaggaccatt 660
tgacaaccaa aaaaaaaaaa aaaaactnng gggggggccg ggnncccaat tccccctata 720
gggggggnnn nnnnaaaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnc 970

<210> 1213
<211> 976
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(976)
<223> n is a, c, g, or t

<400> 1213
aaanctggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag 60
ganttcggcn cgaggcagag gtctttagaa gaaggagagg ggccaatagc tgtcatcatg 120
actccaactc gagaactggc ttacagatt actaaagaat gtaagaagtt ttcaaagacc 180
ttgggcccta tagtgagtcg attacagnng gancnggant cnnngancnn atngctgnct 240
gaaaanaggn gctgaantta ttgntgncc ncctggncna angattgncn tgtnnncann 300
tantannggn cngntacna nnttttnaan agngacnnnt gntgttttan angaancna 360
cnaangtng actgggnttn gancccgann nntgcnctt ggggataang nncnccctnn 420
cnnacnnacn nntntgnttt nnnctncttt ccccanannt atggnacctt ngntnngana 480
anncnnnnnn ncccntnnnn nncnngtngn ngcnaaannn nnnnnnnntcn nnnngngnnnc 540
ncnnnnnann gnnnnngann aanaanaaa nntntngnnc nnttnnnntn nnnnnnnntt 600
ncnanaannn ngnnnnntgn nnttntnnnn ngnggnnnnn nnnnnacntg cnnnngggnn 660
ncnnnnnnan nnnnnnnnan nnnntnaccn nttnnnnnnn nttnnnnnng nngnntnnnn 720
nnnnnnnncc nnnnnnnnnn nnnnnnnnnn nntnannnan nggnnnccnn nnnnnnnntt 780
tnnnngccnc nnnnnnnnnn nnnccnnnnn cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840

nnnnnnnnnn nnnnnnnccn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn nnnnnnnnnnn	960
nnnnnnnnnn nnnccn	976

<210> 1214
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1214	
ncntatctg gagctccacc gcngtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggg tcagnnaaca tcaccgagct gaatctgccg cagctagaan	120
tgctcaagaa ccaactggac caggangtgg agttcttgtc cacgtccatt gccagctca	180
aggtgggttca gaccaagtat gtggaagccn aggactgnct gaacgtgctg aagaaaaaca	240
ncgaggggaa agaattactt gncccaactga cgagntntat gtatgtcccc gggaagctac	300
ntgatgtgga acatgtgctt attgatgtgg gaactggnta ctacgtagan aagacngctg	360
aggatgccna ggacttcttc aanaggaana tagacttcct tancaancna atggaaaaaa	420
tccaaccagc tctncaggan aagcacncca tgaaacangc tgncatggng atnatgagcc	480
cnaanattca ncagctcaca accctgggag cagctcaggc tanccccaag gcctgagagc	540
ttgtttcaca aatggggcag aggggtgcctg cttctggggc ctgggacttt gtggacantg	600
gtttcctgga atgggggaaan aaaaaaggtc tgtggtttta tgctaataaa atgagccnnc	660
tgggcacant antcnnaggt cnaaatntnc cncntnggg ggggggncng ggcccccaat	720
tncccttnn tngngngggn cccnntaann nnnanganng ncnntcnttt ttttnnantg	780
ntnnnnntt nnnnnngggn ntatnngnct tntntnnaa acccttnnaa cttntgnntt	840
ctttcnngt tactnnttnn gnnngnnntt tnntngtnt tccccccnn nntnttnnnn	900
nngnntngn ntttnnnnn nntatccnn nnannnttt tnntnttttt nntnnc	956

<210> 1215
 <211> 1429
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1429)
 <223> n is a, c, g, or t

<400> 1215
 gnaanacacn tattnttatt tttttttnnn nntntttntc nctcccnenn nncantnttt 60
 cgtnancncn tnttcnnngg ganannagna gatnanaact ttgagcncnc tggantgcan 120
 acagcggngg ccgctctana ctagtggatc ccccggttg caggnantgn aaattgtaac 180
 gantnnnnac cnatanaann aanattggct ncggggggccc nacncantat ntatnttggtg 240
 ccanntctnt gggttcgtaa tgntgacttt catgctanta ancttngntg ctantntgag 300
 catggcanaa nggggatngn taagtcaccc ntaangnacn ngnnattncn ntttgcaaat 360
 antcttgctn gananccttg gattgcatnt ntgntaanca aanntcnntt catnttgana 420
 naccgtttgc cnntngnctt ctccctnngca tgggtctacta taanatntnn tgggcantta 480
 ggnnaccngt cgccttgctn gnnatccnnc attgnacact tgntngttnt canaatcctt 540
 gngnaaatgg ntggancnnc ctatangctn cnaaactnaa attganannn atnctgnnan 600
 nagaaagnnn ntngtnanan anntncactc nttnnangac annntnnncn tatcgaaann 660
 ctctntttnt cntggnttan caattcgcn ntagcntntt aantnnntta naaannnggt 720
 nactantcac aaatnnnnan tttnnngnnt tncagncnaa tcgngncnnt ttgngttacc 780
 cttnnactat natnattgta tttcaacnac anntngtana nnacntnctt ggcttctttc 840
 acatgctttc tnnagntgnn antcattttt ttganactna tcnncaatgn antanattan 900
 anttncctgn ntattttnat naacntngat gngtngcca ttgnntaacn ctagtnacct 960
 ananacttgg tatnatgaca atattaatna ncnctncnt cttgncncng nnttgnaatt 1020
 aaaacaanta tgtntctnan nncntactcg gataatncnt actngtggnt aaacanaatt 1080
 ggngccttta anattntata nttinnaataa ctccnangtn ngncncannc ttnttanant 1140
 atgngngtag anntantngg ntnanttnen tgcnatntan gntctcnctt nnctntngtn 1200
 tntaatcnac nacatncntt ntctatntnt tatnnaang ccctancnt ctctntngtn 1260
 ccacnanta ctnacannat gnanccttgn tctatntnct ganctcacta tcgannnant 1320
 tatacctntn tctttcnctc tacnatatta ctancntnt cncnnncnng ntcgnanana 1380

acaatcgngg tcactntntc gnnaanntct gctggggaca tatnngtcg

1429

<210> 1216

<211> 1429

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(1429)

<223> n is a, c, g, or t

<400> 1216

gnaanacacn tattnttatt tttttttnnn nntntntntc nctcccnenn nncantnttt	60
cgtnancncn tnttcnnngg ganannagna gatnanaact ttgagcncnc tggantgcan	120
acagcgnggg ccgctctana ctagtggatc ccccggttg caggnantgn aaattgtaac	180
gantnnnnac cnatanaann aanattggct ncggggggccc nacncantat ntatnttggtg	240
ccanntctnt ggggttcgtaa tgntgacttt catgctanta ancttngntg ctantntgag	300
catggcanaa nggggatngn taagtcaccc ntaangnacn ngnnattncn ntttgcaa	360
antcttgctn gananccttg gattgcatnt ntgntaanca aanntcnntt catnttgana	420
naccgtttgc cnntngnctt ctccctngca tgggtacta taanatntnn tgggcantta	480
ggnnaccngt cgccttgctn gnnatccnc attgnacact tgntngttnt canaatcctt	540
gngnaaatgg ntggancnc ctatangctn cnaaactnaa attganann atnctgnnan	600
nagaaaagnn ntngtnanan anntncactc nttnnangac annntnnncn tatcgaaa	660
ctctntttnt cntggnttan caattcgcn ntagcntnt aantnnntta naaannngt	720
nactantcac aaatnnnnan tttnnngnt tncagncaa tcgngcnnnt ttgngttacc	780
ctnnactat natnattgta tttcaacnac anntngtana nnacntnctt ggcttctttc	840
acatgctttc tnnagntgn antcattttt ttganactna tcnncaatgn antanattan	900
anttcnctgn ntattttnat naacntngat gngtnngcca ttgnntaacn ctagtnacct	960
ananacttgg tatnatgaca atattaatna ncnctcnct cttgncncng nnttgnaatt	1020
aaaacaanta tgtntctnan nncntactcg gataatncnt actngtggnt aaacanaatt	1080
ggngccttta anattntata nttnaataa ctccnangtn ngncncannc ttnttanant	1140
atgngngtag anntantngg ntnantncn tgcnatntan gntctcnctt nnctntngtn	1200
tntaatnac nacatncnt ntctatntnt tatnnaang ccctancnt ctcntngtnn	1260
ccacnanta ctnacannat gnancttgtn tctatntnct ganctcacta tcgannant	1320

tatacctntn tctttcnctc tacnatatta ctanctannt cncnnncnng ntcgnanana	1380
acaatcgngg tcaactntntc gnnaanntct gctggggaca tatnngtcg	1429

<210> 1217
 <211> 1001
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1001)
 <223> n is a, c, g, or t

<400> 1217	
ttnaacaaca atctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc	60
gggctgcagg aattcggcac gagggcggtg acggccgagg cgacagaacc gaggggctgt	120
cgttggtggg cgctccaggg ctctgaacga gagaagcgtg acccggaac ggaagcgagt	180
ccccatcca actccgccag gtttcacgct agccccaggc ttactggtag gctcctgctg	240
ccatggacct gttgtttggg cggcgcaaga cgccagagga gctgctgcgg cagaaccagc	300
gcgccctgaa ccggggccatg cgagagctgg accgtgagcg acagaagctc gagaccagc	360
agaagaaaat catcgcgac atcaagaaaa tggccangca gggccagatg gacgcggtcc	420
ggatcatggc gaaagacctg gtgcgcacca agcggtagct ccgaaagttt gtgttgatgc	480
gggccaacat ccaggctgng tnccttaaga tccagacact caagtctaac aactcaatgg	540
cacaagccat gaaggcggtt ancaaagcca tgggcacat gaacagacag cttgaagttg	600
cccanatnc aaaanatcat gatggagttt tgaaccggca ggcaaaaatt attggacctt	660
gaaggangga aatgattaac gaacnccctt tnntgacncc attgggggaa ccaaggacca	720
attaaaaagg aaaagngatt gcttttttta acccccaggc ncttgggacc aaattggggg	780
ttgannccctt gaaaaaanta aacttggtcn aaacctttnc nttttcccc gggnggggtt	840
ccnttaaacy ttgggnttgc ccgggggaaa aaaaaanccn aaggntttcn gnccttttgn	900
ccttgggggg gacnccaaac ccntnaacc tttggaggga aaagggttta aaaaaacttt	960
ttaaaaggga attgaaattg gcccnngctt tttnccaaag g	1001

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<210> 1218
<211> 941
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(941)
<223> n is a, c, g, or t

<400> 1218
naaaactgga gctccccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca      60
ggaattcggc acgaggncctt cnacctgann cctgccaacn nctnctaccn ctnccaggct      120
ctncacnacn nctaccncgn ctgcattaac gnaanggga cctntncggc cctggacnng      180
gtcntgnncc ncntgncagt cagnnggnnn nngggggacc agntnnntnc attccatnnn      240
nacnctncac ncttcaccgn catgcttgac atggntcaac actnacntgt gnangttctc      300
ncncatcgag ancttntgnn actgagntac tctnctgctg tgttgcnttn ngccccngtt      360
gaccccagag nnnaccnnnc nactggcnga aaccctgccc tcttgctgc ntntgcgcn      420
ngggacgnng gtntnaaaag acatgctcga gccnggatgg ggacctggcn tggccncacg      480
ttcactgtcn ncnggctgnc ctctatgntn gggaacggaa cccaagngg cggcgggact      540
gactctttcc cctggctggg ngatgcanac catgantgcc tntncatcta tntctgatgc      600
ntcantacaa catgctgtgt ggtacccgat tttgggcccc ggttggtccg gacgatatgc      660
cttttaaact tacatccgc actgggactt tccgaagctc ttanaantn annnnttngg      720
gnnngnnant tnttcaattc cnnancccn nccnnanngn tttttttgna aggnnaaanc      780
ccggggannn ccnccgggn ggaanggnaa nnggnaacc cttccaanaa aaccaanggt      840
tnncccttnc nnnagggnnn angnnnnncc nnnnnnnnnn nnggnnnnnc ccnnnnnnnn      900
nnnnnnagga gttttgaaaa ccctttttnt ttcaagnntt t      941

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<210> 1219
<211> 1329
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1329)
<223> n is a, c, g, or t

<400> 1219
tttgaaaanc aacaatttct ggnangcttc ccacgcggcg ggtgngccgg gcncgcttct      60

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tagaaactag gtgggaatcc cccccgggg cttgcaggna aaanaaanaa aaaaaaaatn 120
tntnnggggg ggggggnccc cgggancccc naantttccn cccnttataa ggggangtnc 180
nntnttnaan aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnnn nnnnnntnnn nnnnnnnnnn 420
tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tnnnnnnnnn nnnnnnnnnn 480
nnnnntnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnntn nnnnnnnnnn nnnnnntnnn 660
nntnnnnnnn tnnnnnnnnn ntnnnnnnnn ntnnnnnnnn nnnnnntnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntnnn nnnnnnnnnn nnnnnnnnt 780
ntnnnnntn tnnnnnnnnn nnnnnnnnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnctnnnn nnnnnnnntn nnnntnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnntttnnn ntntnnnnnt nnnnnnnnnn nnnnnnnnnn tnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnt nnnnnnnnnn tnnntnnnnn nntnnnnnnn 1020
nnnnnnnnnn nnnnnnnnnn nnnnnnnnt nnnnnnnnnn nnnnnnnnnn nnnnnnnnt 1080
nnnnnnnnnn nnnntnnnnn nnnnnncnnn ntannnnnnn nnnntttnnn nntnnnnntn 1140
tnnnnnnnnn nntnnnnnnn nnnnnnnnnn tnnnnnnnnn ttntnnnnnn nnnntttnnn 1200
nnnnnnnnnt cnnnnnnnnn nnnntttnnn nttnnnnnnn cnnnnnnnnn nnnnnnnnc 1260
nnnnnnnnnt nnnnnnnnnn nnnnnntnt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 1320
nnnnnnncc 1329

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<210> 1220
<211> 916
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(916)
<223> n is a, c, g, or t

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<400> 1220
agncnatctg gagctccccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60

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caggggtgaaa accaccgtta aacctaagcc aaaatgggaa aggagaagac ccacatcaac	120
atcgttgtca ttgggcacgt agattcaggg aagtctacca cgactggcca tctgatctac	180
aaatgtggcg ggatcgacaa gagaacaatt gaaaagtctg agaaggaggc tgccgagatg	240
ggaaagggct ccttcaaata tgccctgggtc ttggacaaac ttaaagctga acgtgagcgt	300
ggatatcacca ttgatattct cctgtggaaa tttgagacca gcaagtacta tgttaccatc	360
attgatgccc caggacacag agacttcac aaaaacatga ttacaggcac atcccaggct	420
gactgtgctg tcctgatcgt tgctgctggt gttggtgaat ttgaagccgg tatctccaag	480
aacgggcaca cccgtgagca tgcccttttg gcttacaccc tgggtgtgaa acaactaatt	540
gntggcggtta acaaaatgga ttccacttga gccaccctat agccagaaga gatacgaaag	600
aaattggtaa gggaagtcag cacctatatt aagaaaattg gctacaaccc cgacacagta	660
gcatttgtgc caatttctgg cttggaatgg tgacaacatg cttanaacca agtgctaata	720
tgccattggt tcaagggatg gaaagtcacc ccgtaangga cggcatggcc agtggggaacc	780
ccccttgctt tгнаacctnt tggattgnan ttttggccac caaatttggc ccaaattggaa	840
aaaacccttg gggtttggcc tttccnggag gtttatnaaa atggggggga tttgggncct	900
gncccttggg ggcngg	916

<210> 1221
 <211> 986
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(986)
 <223> n is a, c, g, or t

<400> 1221	
aaanctggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca	60
ggaattcggc acgagggcag ttaacatcac cgagctgaat ctgccgcagc tagaaatgct	120
caagaaccaa ctggaccagg aagtggagtt cttgtccacg tccattgccc agctcaaggt	180
ggttcagacc aagtatgtgg aagccaagga ctgtctgaac gtgctgaaga aaaacaacga	240
ggggaaagaa ttacttgtcc cactgacgag ttctatgtat gtccccggga agctacatga	300
tgtggaacat gtgcttatcg atgtgggaac tggttactac gtagagaaga cagctgagga	360
tgccaaggac ttcttcaaga ggaagataga cttccttacc aagcaaattg aaaaaatcca	420

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gccagctctg caggagaagc acgccatgaa acaggctgtc atggagatga tgagccagaa 480
gattcagcag ctcaacaacc tgggagcagc tcaggctacc gccaaggcct gagagcttgt 540
ttcagaaatg gggcagaggg tgcctgcttc tggggcctgg gactttgtgg acgtgggttc 600
ctggaatggg gaaagaagag ggtctgtgtt taatgctaataaatgagcca gctgggcaaa 660
aaaaaaaaaa aaaaaaaaaa ncttggggggg gggcccgggg cccaatttcc ccttttgggg 720
gggnnnnnnn naanannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnc 986

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<210> 1222
<211> 982
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(982)
<223> n is a, c, g, or t

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<400> 1222
annnctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60
ggcnanggng tcagagctgt acgacgtcac ttgggaagaa atgcgagata aaatgagaaa 120
atggagagaa gaaaactcac gaaatagtga caaattgtgg gaagttggga gaggaattaa 180
ttagtgaata tgcttctaag cttgggagat gatatttgga tcatatatga acaggatgatg 240
attgcagccc tcgactatgg tcgggatgac ttggcattgt tttgtcttca ggagttgaga 300
agacagttcc ctggaagtca cagagtcaag agactaacgg gcatgagatt tgaagccatg 360
gagagatcga tgatgctatt cagctatatg atcgaatttt acaagaagac ccaactaaca 420
ctgctgcaag aaagcgtaag attgccattc gaaaagccca ggggaaaaat gtggaggcca 480
ttcggaact gaatgagtat ctggaacaat ttgttgagga ccaagaagcc tggcatgaac 540
ttgcagaact ttatatcaat gaacatgact atgctaaagc agccttttgt ttanaggagc 600
ttatgatgac taatccttac aaccacttat actgtcagca gtatgccgaa gttaaataata 660
cccaagggtg actttgaaaa tctcgaactt tcaagaaagt attttgccca ggcatttgaa 720
acttgaccac ngaaatttga nnagctttgt ttggacnttt catggctgca agncatattg 780

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cttcttaatc ccaaagccng gncnnaaacn aaaaaanacc cnttggantt ttgttttttg 840
ggccccccnn caaaaaacaa aannttnttn nttttnnggg gnnnannnnn aaagggancc 900
ccnttctttt ntnnaggggn tttnaaaact ttttгнаanc cntgnгнаan nccccnntt 960
ttngggggna aatngnccc cn 982

<210> 1223
<211> 986
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(986)
<223> n is a, c, g, or t

<400> 1223
nnnnatctgg agctccaccn cngtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggcaactt cggngtgagc actgtgcccg cttcctggct gaccgctttg tggaggggtg 120
gtgtcccttc tgtggctacg aggaagcccg gggtgaccag tgtgacaagt gtggcaagct 180
catcaatgcc attgagctca agaagcctca gtgtaaagtc tgccggtcgt gccctgnngn 240
gaaatcctnt nancacctgn ttctggacct gnctaantcg gcagcgcggg tggaggaatg 300
gttgagaaaa acnttgccctg gcantgactg gactgncaac gcccggttca tcattcgttc 360
ttggnttcna ganggccnca agccccgctg tataaccgga gacctnaagt ggggaacccc 420
tgtgccctta naanggtttg aggacaaggg gntctatgtc tggtttgatg ccaccattgg 480
ctatttgtgc cattacagnc aactacacan accaatggga gaagtgggtg aacaaccac 540
aaacaagtga acctgtntca gantcatggc caaggacaat gtnccttcc atggcatata 600
nctttccttc ttcancctct atgagctgng gacaantaca cctntngnca angcacctca 660
tttgcttaca naagaattct tgaattacng agggangggg aaaatttctc ttantaaac 720
cccnggtgtg gggagnngtt ttnggggaca ntntnccacn naacacaagg gaatnncng 780
gnttgacaat nngggnggct tttttattnt tgctggaaca tntntncct gaagggggca 840
anaaaaaaan tgcctttttt nnttggnnca aaaaatnttt ntttcnaaga aannaattcc 900
ccancttgnt ttntnaancc tggntgnaaa ntttttttca taaaanaaaa cnggggnantg 960
ntntngnngn ccccaaacn nttttt 986


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<210> 1224
<211> 958
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(958)
<223> n is a, c, g, or t

<400> 1224
aacaaaactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgcct      60
gnaggaaatt cggcacgagg cttttattga gaccacccaa ggaccccagg ggacccacac      120
ctggggtnac ggtatccggg gntntaancc cnaaannggg ggntngtttt ccnancnccn      180
ngttgncccn ncnanggnnn agnccctttt ttgnnccnng cnnggaangn agnantnann      240
nntaaaancc aacntctttt aacnntcnan cccaannctt cccaanccna aanctnnagg      300
gnanttgaag agaaatgaaa atgggntngc acaatgtgnc acngaantag aaaccctttt      360
tataaagaga tattataata tnggggcccc atnttcgngn ncagggttaca nttttgtggn      420
caggataaag ttgngtgtgn ctanacctgt gcctgtgnac anctcttnnn gtganncac      480
aagatcngag cncagnntna aanngcgctc tnttttgtca cgagagnnca aagncnnang      540
ngtgnccaca caacacatan gngtgngnat gtgnacacac caccaagtga nanatgacac      600
tntgataata ttataaaaaa atatattgtg tntgtgtggn aaaaaaaaaa aaaaaaaact      660
tngggggggg ggccgggncc ccaannttcc ccttttagng ngggnnnnna naannnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn      958

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<210> 1225
<211> 958
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(958)
<223> n is a, c, g, or t

<400> 1225
aacaaaactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgcct      60

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gnaggaaatt cggcacgagg cttttattga gaccacccaa ggaccccagg ggacccacac	120
ctggggtnac ggtatccggg gntntaancc cnaaannggg ggntngtttt ccnancccn	180
ngttgncccn ncnanggnnn agnccctttt ttgnnccnng cnnggaangn agnantnann	240
nntaaaancc aacntctttt aacnntcnan cccaannctt cccaanccna aanctnnagg	300
gnanttgaag agaatgaaa atgggntngc acaatgtgnc acngaantag aaaccctttt	360
tataaagaga tattataata tnggggcccc atnttcgngn ncagggttaca nttttgtggn	420
caggataaag ttgngtgtgn ctanacctgt gcctgtgnac anctcttnnn gtgannncac	480
aagatcngag cncagnntna aanngcgctc tnttttgtca cgagagnnca aagncnnang	540
ngtgnccaca caacacatan gngtgngnat gtgnacacac caccaagtga nanatgacac	600
tntgataata ttataaaaa atatattgtg tntgtgtggn aaaaaaaaaa aaaaaaaact	660
tngggggggg ggccgggncc ccaannttcc ccttttagng ngggnnnnna naannnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnn	958

<210> 1226
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

<400> 1226	
ttnancncta tctggagctc cancnngtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggc tcgtgtgagt gacatcgtct ttaaaccctg cgtggcaatc cctgacgcac	120
cgccgtgatg cccaggggaag acagggcgac ctggaagtcc aactacttcc ttaagatcat	180
ccaacttctg gatgattatc caaaatgctt cattgtggga gcagacaacg tgggctccaa	240
gcagatgcag cagatccgca tgtccctccg cggaaggct gtggtgctga tgggcaagaa	300
cacgatgatg cgcaaggcca tccgagggcn tctggaaaac aaccgggctc tggagaaact	360
gttgccctcac atccggggga atgtgggctt cgtgttcacc aaggaggacc tcaactganat	420
cagggacatg ctgctggcca acaagtgcc agctgccgcc cgtgctggtg ccatancgcc	480

gtgtgaagtc actgtgccag cacanaacac tggctctgggg cccgaaaaaa cctccttntt 540
ccaggcttta ggcataccca cnaaaatntc caggggcnc aattgaaatcc ttgagngatg 600
ggcacctgat taaaacagga nacaaagttg ggcncancn aaaccccccn tgttgaanat 660
gctgaacatn tccccctttt ttcttttggg ctggncattc caccaggggg tttgaaaaat 720
ggnggcattt tacaancctt gaagnggntt gacattcaca aaaaggaaaa ctttgnantt 780
tccccctttc ttgggagggg ggncccccaa ttttttncnc ancggtgnc cttgccaaan 840
tgggttancc ccaaccggn gcatttttgt nccccnttt tttttattta aanggggnac 900
caaancncnc tncctgggtt ttttttttgg gggnaacgg aattacnccc tttccccntt 960
ttttgnaaaa agggncang gncct 985

<210> 1227
<211> 938
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(938)
<223> n is a, c, g, or t

<400> 1227
naaagctgga gctccccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca 60
ggnactaata annanggna acnatgcatt catcggaact tncagcccca tcaaacattt 120
catcatgatg aaatttcggt tccctcctgg gaatctgcct aatcctacaa atcctcacag 180
gcctattcct agcaatacac tacacatccg acacaacaac agcattctcc tctgttaccc 240
atatctgccg agacgtgaac tacggctgaa tcatccgata catacacgca aacggagctt 300
caatgttttt tatctgctta tatanagcac gcnaggactn aggtttatat tacggtcctt 360
acactttccn agaacatgaa anattggngt antccttctg ctcacagtnn tagccacagc 420
attgtgnggt ccttctacca tgaggacaaa tatnatnctg aggagcaaca gncataccaa 480
nctcttatca agcaatccca tacatcggca caaattaagt ccnaatgaat ctgaggcgga 540
ttntcantaa nacaagcanc cctttaccgg atcttcgctt tcatttatcc ttccattatc 600
atcatagcaa ttggcatagt ccacctacta ttcttccacg aaacaggctc caacaaccca 660
acanggaatt tctctaaacg tanacaaaat ccatttccac ccctactata ccattaagga 720
cattttangg ggccctntna cttaaattcta gcttttaana ctactaagna ctatttcgca 780

ncccgacctt cctngganac ccaaanaact accccaagc caattcaatt naanacaccc	840
ccttnaaatt aaaacccgag ggganacttt tttattggct accncaattt ttacgaaaca	900
atnccccaac caacttnggn gggngtcctt anccctta	938

<210> 1228
 <211> 979
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(979)
 <223> n is a, c, g, or t

<400> 1228	
ttnannaaaa tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggg taaatctgtc tttccttttg gcacatagaa tctgagactg aaaattgtng	120
aaggaaaaga gatgacagct gagttctggg tggagttgat gagcccaagg actgggctgt	180
ttggggcata tctgttcat gggttttgcc accactatag aaccttctgt ggtctccctt	240
gcgaaagggg cacagctcgt cagcgtatth aaggagtgc cagagtggag agcatgaggg	300
gaacaaacag gtgggggctg ttatccagag aacagtgcgt cttttctgca agaccttcta	360
gggtagtata gaatggtgtt gggagcaaag acttttagagt gacagagagt cctaacaggt	420
ctcttcactt tctctttggc ctgcagggat aatcctacag gtccctaata ccttatttga	480
aatcttttgg gatgggtggt gttttggaat tcaggatgat tcagatttta gaaagggaa	540
atagtgcctt tatgatacat aaagtaatac ccagtgag attcagggca gtgccctact	600
ggaattcaaa tctatcaatg tttctgtagc taaatatatg aatattcnca ctaagtggag	660
ataaatagat nttataaata ggatcgnga cgggtcaaaa tcaaaatttt ggggtcaaagt	720
tatgnaacaa acctattgtt tctttcanaa atttttttta ttttggaat tataaaataa	780
gggaattatg ggccttaata attggtntcc caagggtggt gggggaagg aataatgtgn	840
cccaaaaaag cttttttaaa ccncncccc attgggaagg gattgtatgc caattttcaa	900
ttcccaaaac aaaaatacca aatggtntcc aagggggng ggcctttttt gnaccttaca	960
gggggnccaa tggtntccg	979

<210> 1229
<211> 914
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(914)
<223> n is a, c, g, or t

<400> 1229
nncaannctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggaattc ggcacgaggc tttcctgcaa agtagggcca cacagaatgt tgcaactacc 120
ggaggttttt ttgatnanaa tntgactncc agncttaagc ttctaaattn ctgatttagt 180
tgaatcttgg tgagaaccan aggccggaac tcagctgccc caggactgtc caaggagcag 240
gagcaagtgg tggccctgaa ctgatgcggt gcccggaag catctgtggc cagcgtgctg 300
gggttaacaa gaccttggtc atccaccgag gaaagcagga agttgtttcc aaaacaagga 360
ggaaaaaata gatgctgaag aatcagaagc tacagctgtg cagcacaggc tgccctcaga 420
cctggatgga catagcccaa gcccgaagac gaaaagcttt ctgtgataca ctgacatgtt 480
tataactgtc cgtgatcttg ggggcaggca ccagaattcc tctgtctgtt ggagaaaata 540
ggcatagaga ccttgggcca gaatgctaaa cccggagagc agggcgtgag ccactcttgc 600
aagaaaaaag tgagaaggac gtgtgggctt ncatcttggg cagatgggan aatgcaaaac 660
aaaaaaancg tggggaanan atgggancca ngcnaacngg aaggctgang gcatgacaag 720
gncagtgggg ctccccagtg cagggnccct aaanggagtc tgantaccta acttgnccca 780
ttaaacccct ttgtccgttc ccagcccna acaccttatt aaaagttaat tttttacncc 840
ctgnaaaaaa aaaaaaaaaa aaacttgggg ggggggcccg ggcccccaat ttnncccttt 900
ttggggggng gggg 914

<210> 1230
<211> 1001
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1001)
<223> n is a, c, g, or t

<400> 1230
aaanctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60

ggaattcggc acgaggtgac ctccacccat tgtcttgggtg gcacatgggt ggaacacttg	120
atctgctcga gtctgccttc aacacacatt gcatcttcag attttctact tttctgttca	180
aaactaatat tcaccaagtc agactttgtg ttaattttat atcaggggtat tggctgccag	240
ggggtcaccc ctaagtggcc tgaagatgga caaagggag taacaggcac gtgatgttgg	300
caaggatgct tctagggcta gaggatcagt ggtgggagag agctgcagaa tccaccagcc	360
agaactgcag ataacgaatc ttatggtcag gggctgtgac tgagagaagg aaactgaggt	420
tgtgttctga aagtacataa actctcacat ataccagtt cttcaccatc tccccctctc	480
actttgcagt gccatttctt tttgcattag gcaatttgct cagactttcc agagccatgg	540
cccatccggt ctctggaatc cccacacact ctgagagggtg gatcaccacg tcttgcaggg	600
ctgtccccct ccaaactacc tttaggagat gcaggacagg gaggtgttt caaccagaaa	660
gacaaaaatc aagaaccgag gagcaaaacg tggtaaaaca gaaaaanggc aggtggcaaa	720
tgggtttctt ttgggggtttc tggtttcttt tttcacatcn ggggatggct gncaccaana	780
aatctttcag tccgcttaca tggtncttct tntntnccc tncctacttt ttttttctat	840
taatcaaaaa aaaatttcaa aagccaatng ggatgggccc gatctcacag gctggaaaaa	900
ctcgttcccc tccaaccatt ttattgaaaa aagctggtn ttattaatna ttgccaacc	960
ctttggcccc gggnggaaaa natttgacna atnttttnaa a	1001

<210> 1231
 <211> 961
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(961)
 <223> n is a, c, g, or t

<400> 1231	
naaanctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggatttcgg cncgagggaa gcacgtcgtc ttcacgccc agaggagaat tctgcctaag	120
ccaactcgaa aaagccgtac gaaaaataag cagaaacgtc ccaggagccg cactctgacc	180
gctgtgcacg acgccatcct ggaggacttg gttttcccaa gtgagatcgt gggcaanagg	240
atccgcgtga agctggacgg cagccgactc ataaagggtcc atctggacaa agctcagcan	300
aacaacgtgg agcacaaggt tgaaacgttt tctggtgtct ataagaagct cacgggcaag	360
gatgttaatt ttgaattccc agagtttcag ttgtaaacaa acgactaaat aaaatattat	420

tctcaaaaaa aaaaaaaa aaaacntggg ggggggccc gncccnatt nccccttatn	480
ggngnntntt aanannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnngnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
c	961

<210> 1232
 <211> 941
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(941)
 <223> n is a, c, g, or t

<400> 1232	
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggaattcgg caccaggggc ttccagggaa tccctctgtt gaggacaact ggctgtcttc	120
tcctgcaccc tccccaaac aaccctcaac tgctagaccc accatgaaac cactgggttc	180
tgggtcccag ctgctgattc tagaaccctg cctctgtgct gcacccctgt cccatcccct	240
anatctagaa ctacagccac tggattctan aacctccata ttacctcac ctgagggtc	300
ttccatcccc aagctgtgcc ctgtccccag ctttgggtgaa aganaggggc cccttatgtg	360
tgctgtgttg tgtctgctgc acttggtttg cagttgggag cggaaggcag aaggggtgtg	420
attgaagtgt gtccagagat gaaaaaatac atatataatt aacaaaaaaa aaaaaaaa	480
aannnggggg ggggnccngg ncccnanttc ccntatagg gngnnggatn aaaannnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn c	941

<210> 1233
 <211> 982
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(982)
 <223> n is a, c, g, or t

<400> 1233	
ttgaaaacan tggactccac cgcggtggcg gccgctctag aactagtgga tcccccgggc	60
tgcaggaatt cggcacgagg cttttattga gaccacccaa ggaccccagg ggacccacac	120
ctggtgtcac ggtatccgtg ggtctcagcc ccagaatggt gggctgcttt ccagccccc	180
tgctgtcccc accaaggac aggcccctct ctgtgccctg cctgggatgg aggactcgat	240
catcagatac gagctccttt gaacatccag cccagtcct cccagccca gagcctgagg	300
gtcatttgag aggaagtgag agtggcatgc agcaatggac aggactcaga agccctttta	360
taaaggatat ttaatatcgt ggccccagct tcgtggcagg ttctactttt ctggccagg	420
taaagtttgg ctgggcctac gctgccctga gcagctctct gactgtaacc acacgagctg	480
agtgcagtgg atgaatgcgg cctcgtttct gccaggagtg canagtcca agcgtggtcc	540
anacacgaca gatgccgtgt gcaaagtgg acnacgacc aantatgaca tatgactctg	600
naatatttct aatnnanata ttttggttct tnggctgaaa aaaaaaaaaa aaaaaaattt	660
ntnggggggg nccccgnac cctttttctn ccttttntn gnnccctnta taatnnngnn	720
nnntnnntct cctcnnnnntn cttccctntn tenantgntc tnnctnnntn cnccttncnn	780
cnnctncaact ncnnttntn cnntnnnnnn ctncngnnnn nnntnnntngn ctngtnnnct	840
cnnntnnntn gtcgttntn gactnctnnn ctttcttggg tnnccnann tntnctctnc	900
nnntnnnncn nctcncctn tcnnnnnatt ntntnncnn tcnnnntct ntctttnctt	960
nnnnnnnttc tnntttatnn cc	982

<210> 1234
 <211> 982
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(982)
 <223> n is a, c, g, or t

<400> 1234
 ttgaaaacan tggactccac cgcggtggcg gccgctctag aactagtgga tcccccgggc 60
 tgcaggaatt cggcacgagg cttttattga gaccacccaa ggaccccagg ggaccacac 120
 ctggtgtcac ggtatccgtg ggtctcagcc ccagaatggt gggctgcttt cccagcccc 180
 tgctgtcccc accaaggagc agggccctct ctgtgccctg cctgggatgg aggactcgat 240
 catcagatac gagctccttt gaacatccag cccagtcct cccagccca gagcctgagg 300
 gtcatttgag aggaagtgag agtggcatgc agcaatggac aggactcaga agccctttta 360
 taaaggatat ttaatatcgt ggccccagct tcgtggcagg ttctactttt ctggccagg 420
 taaagtttgg ctgggcctac gctgccctga gcagctctct gactgtaacc acacgagctg 480
 agtgcagtgg atgaatgcgg cctcgcttct gccaggagtg canagtgcc aagcgtggtcc 540
 anacacgaca gatgccgtgt gcaaagtgtg acnacgacc aantatgaca tatgactctg 600
 naatatttct aatnnanata ttttggtttc tnggctgaaa aaaaaaaaaa aaaaaaattt 660
 ntnggggggg nccccgtnac cntttttctn cnttttntn gnnncctnta taatnnngnn 720
 nnntnnntct cctcnntntn cttccctntn tcnantgntc tnntctnntn cnctttncnn 780
 cnnctncaact ncnnttntn cnntnnnnnn ctntctgnnn nnntnntnngn ctngtnnnct 840
 cnnntnntnn gtcgttntn gactnctnnn ctttcttggg tnnnccnann tntnctctnc 900
 nnntnnnncn nctcncctn tncnnnnatt ntntnncnn tcnennntct ntctttnctt 960
 nnnnnnnntt tnttttatnn cc 982

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<210> 1235
<211> 948
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(948)
<223> n is a, c, g, or t

<400> 1235
ttnnnaaann ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggct ttgctgaggg tcacattgag ctcccagcga cttcaggggc atctttagga 120
gtcagcacta tggcagaaga catccaggcc aaaatcaaga actaccagac tgctcctttt 180
gacagccgct tccccaaacca gaaccagacc aggaactgct ggcanacta cctggacttc 240
caccgntgtg agaaggcaat gaccgntaaa ggagggtgatg tctccgtgtg tgaatggtac 300
cggcgtgtgt acaagtccct ctgccccata tcctgggtgt caacttggga cnatcgccgg 360
gcagaaggca cgtttccttg naagatctga actggntcca tcccaccttt tntgtcctcc 420
gtccttctcc ccagggtggt gaagggggac cggggtacat ggtgatcccc accntgggat 480
cctgactcat ggtataacta ataataaatg ctcgttgga acgtgaaaaa aaaaaanaa 540
aaaanctttn ggggggcccc gnanccnatt nnnncntata gngggnnnnt tannnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt 948

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<210> 1236
<211> 925
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(925)
<223> n is a, c, g, or t

<400> 1236
aaaagctgga gctccccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60

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ggctannctc gagttttttt tttttttttt tangngcntn gnantttntt tttngtaaaa	120
nagtgatgag nantaatnng ncnaaanagg nnnccanttt ttgtngggaa accaancccc	180
accacaggg gacnnttttc nngnacnaa cgtantcccc ncnttttctt gccnaggang	240
gcnntaancc ccgnaaaagg ncccccggnn tgaggntcca ggnccaaacg gccacnctc	300
cggccccang gggcnttttt gnanaggngg ttccngggna cggggaaagg gnctntcaan	360
tnggncgnga nctggagggg taaggntnaa aantggngcg ggtacaaaag ctttctacc	420
cntgnttttn agnggtttta ctgagttcct ccttggccat cancnacana tgcaatanct	480
tgccctnaag naaccggatg ntcgccaac cntgttnact tgccattttt gttttagnaa	540
cnccancagg nccgggnatt ggnaanctnt ttcnttgaat naacnggggg ggnnaaaaaa	600
actttctatc ncccgggaaa aagncctt cnnttgccgg ggangggccc ntganccccc	660
gaggananaa nccccttgag ggggtcnnaa tcaaggttcc ggggggggcc cggancccaa	720
ttnccttaag gggagnnnnn aaaannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnn	925

<210> 1237
 <211> 959
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(959)
 <223> n is a, c, g, or t

<400> 1237 tnnnnaaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggt tttgaaccat ctgttgaaca agccagatat agcagctgcc aacagaatgt	120
gactctggaa cccctaaag cccaggaggt gacctacct tgcagactga gccactcagc	180
tggccccac gctatgacgc agggggacaa ggagagcagc tccagaagcc tggcccctgg	240
taccgcagag agcgaagcca cgctccancg gaagctccgg cagaagcagc tgcagcagca	300
gttccgcgaa cagatggaga gacagcagcg ggccgccacc tctgctctgc ccgccggaag	360
gaccgaccag gcgcagccgc caccggtgcc tgctgccaaag cccagcctcc ccaggaccca	420
ctcacctcca gagccactca ccagagagaga cctgctccca gacagtcttg aaatgtggga	480

catggctttg gatgcagagg acagcgtgct cangcccttg ttgaaaccag aaccaccgca	540
gacccctgcc atctcggtcc taaagaacca catggagacc cagaacagga tcccaccaag	600
ccttttgcca ccagaatnca caggcacagt ctgggaccct ggcaccttcc aaactnccag	660
ccttaaacca acacaccaca aggcgactgn gattccttnt aggaagattc aggacatgaa	720
aaaaanggaa actgggatcc cccttaancc ccagggttaa ggtcaccctc ctaaaactnt	780
tggcctggag gggactttcc ttttggatcat gaaaaagaac tgctncttgc cntgaagaag	840
gggccttggc ttttaagggt tccnccttgn tttattctna annnnnngggg aggnaaaann	900
nncnttnnna aaanaanggg ggggnaaaaa nnnnnntttt tnnaaaaaaa accctttnt	959

<210> 1238
 <211> 940
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(940)
 <223> n is a, c, g, or t

<400> 1238	
ttnnncacan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggaa tncgngacna ggcctcgntg nccacctggc attcctccga ctncctctcca	120
gncgggcctc tcataacatc acatatcact gcgagaatan cattgcatac atggatcatg	180
ccantgggaa tgnananaaa gccttgaagc tgatgggggc aaangaagga gaattcnngg	240
ctgnangaaa nancnnatnc acatacncag ttcnnggagga tggtngcaca aaacacactg	300
gggantgggg caaaacagtc ttccagtatc aaacacgcna ggncgnnana ctacctatng	360
nacanatngc nccctatgat ntcggggggc ctgatcaaga atntggtgcn gacattggcc	420
ctgttcgntt tttataaacc aaactctatc caaagtccca gaaaaagctg nacactccat	480
atgttccttt tgttctaata ttgtnagcca gnccaannga ccaaggtcna gttctttatt	540
tccaacaccc cttggnaaaa cagcgcncn cgncnagaa aaggatattt ggttgttgct	600
attaccccca aatacagttc aaaagcttaa ttggactatt ttttttacca atttcaattt	660
ccaantggcc caatggggcn atnaaaaaan aaacttcaca ctttttccaa taccctgggg	720
ttacntttnt ttgaatccta acnccatttt aaaagcaatg ccggggcntt accctttaaa	780
agaattncct ttttttctgg aaccanttca cgcccgaaa atnnggaaaa aaaactttcc	840

tggttttaaa ataancctna ancttggggn anaaaaaat taacnggaaa ttgntatggg 900
 gncccccca aaaaaataaa aaaatttttt ncccaaaagn 940

<210> 1239
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1239
 ncannatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggcagag cccgcggtcc ggactgcagc gcgtgcccc agetctccgt cttccccgcg 120
 ccgccagccc gagcccagcc cgcggcccca gcagcagccc cgagagcagc cccaaaagca 180
 gcgccatggc cgggtggaac gcctacatcg acaacctcat ggccggacggg acctgtcagg 240
 acgcagccat cgtgggctat aaggactcgc cctccgtctg ggccgccgtc cccggcaaga 300
 ccttcgtcaa catcacgcct gctgaggctg gtatcctggg tggcaaagac cggtaagtt 360
 ttttcgtgaa cgggctaaca cttggggggc agaaatgttc tgtgatccgg gactcactgc 420
 tgcaggatgg agaatttacc atggatcttc gtaccaagag caccggtgga gccccaacct 480
 tcaatatcac ggtcaccatg actgccaaga cgctagtcct gctgatgggc aaagaagggtg 540
 tccacggcgg tatgatcaac aagaaatggt atgaaatggc ttctcacctg cggcggtccc 600
 agtactgacc tcgtctggcc ctccccctcac cactccccac tgcttctgca cccctctcct 660
 tccacacaca tacatacacc atttttatth tttgggccat taccacacac cccttattgc 720
 tggcaaaacc acatgggctg ggggccccgg gctggatgga cagacacccc ctgccacaac 780
 ccatacccct tctgtgtgtg gttgggaaaa cttttttgtt tttttgggtt tttttctgaa 840
 taaaaaaaga attctattac aaaaaaaaaa aaaaaaaanc cttggggggg gggccggggc 900
 cccatttncc tttttaaggg gngngnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
 nnnnnnnnnn nnnnnnnnnn nnc 983

<210> 1240
 <211> 1005
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1005)
 <223> n is a, c, g, or t

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<400> 1240
naaaactgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc      60
agganttcgg cacgaggggg gagtgaagat ctgctcctcc ggggtgctagc catcaccagc     120
tactccatcc cagagagcat ccagagcctg aagtgccgcc gcttgcggtg tggtggggaa      180
cggcatcggc tgcgcaacag ctgctggga gaggccatca acaagtacga cgtgggtcatc     240
aggttaaaca gtgccctgt ggctggctac aagcaggacg tgggctcaa gaccaccatg      300
cgtctcttct accctgaatc cgcccacttc aaccccaaag tggaggacaa ccctgacaca     360
ctctcgtcc tgggtggcttt caaggccatg gacttccact ggattgagag catcctgagt     420
gataagaagc gagtgcgaaa gggcttcttg aaacagcctc ccctcatctg ggacgtcaac     480
cccaaacaga ttcggattct caacccttc tacatggaga tcgcagccga caaactgctg     540
agcctgccga tacaccagcc acacaagatt aagcagaagc ccaccacagg gctgttggcc     600
atcaccttgc ccttcacctc tgtgacctgg tacacattgn ttggcttcgg ctaccagac     660
cccaccanaa aaagcagtcc attcactact atgagtatat cacgctcaag tccatgatgt     720
ggtcangccc acaatgtctn ccaaggaggc cnttggccat taaagcggga tgcttgga      780
aatcggaacc ggncaaaaac ccttaacttt actttttgac ttnggggaan ggcttggtcc     840
cattgggnnn aacccttgnt aaacngggcc ccggccccnn ccttttgggg ggggccagg      900
gccacattg gggccggttt tggacctcac ctttttcttg ggggggggng ggggnccagg     960
nttaaaaana aaggccnccc cctttggttt tttttgngng aagnt                      1005

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<210> 1241
 <211> 1042
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1042)
 <223> n is a, c, g, or t

<400> 1241
 aaaanctgga gctccaccgc ggtggcggcc gctctagaac tagtg gatcc cccgggctgc 60
 aggctcccggt gctccctctt ttggcaaaact ngtnagtagtac atgactcagt canacaggag 120
 ntctacctca cagncnacnt gtnnnctant ngcnaganag acttgngtca cactaacgtg 180
 gnccacnacc tgccggaaat gcattgttca naacacagaa ngaaatttan gatttttgc 240
 tttctgtgac ngnatngnt tccgtctcan ntcnagagng tnaacngcat gttntntng 300
 ananngcnta tttacattg attnganaa ccngggaatt nggctcaaaa nctnggagcn 360
 tganaggaac cttataatga ngcatagngt cattcattat ancgggacca tnganggatn 420
 ctntttcacc ctctctcann gnanaaatca ngacnnggt gcttgtggca nanggnnttc 480
 caacctcggt agaantaact gnattgcang ttcnactccc tcaccgaggn gacctgnttc 540
 ccatctgtct naangagcan aagactngat tgntnncant ggctctaata agnaanaatn 600
 cnnccatttac nacanggtan nggggnnttc nttntttnnn cantctnntc cnnngccatn 660
 canccaccgc anccaatatt tctncttccc tagnnnaaaa antctntacc ttcnctgtna 720
 tntatatntn ngngngcnn nttttntct tacctntnta nntnccnccg caaggannct 780
 nanaagttaa ntnattgnnt tncatngca ctgcnnctn ntntaacggn nttgntntnt 840
 ggtcccccna ncnantngcc cnnataatn nccnttctnt annntngnan ccannntngc 900
 nnnnntttct nntaggatc gccaccgata nngnatatcc accgnantct cctcncttt 960
 natanngtna gnaacacna cngnntnnaa agngctctnt cncnacngnt tntnctacna 1020
 nnnttaacat annnggaagn nc 1042

<210> 1242
 <211> 1540
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1540)
 <223> n is a, c, g, or t

<400> 1242
 nncnatattg tgtnattatt tttntnttnn nnttnnnnnn annnnnnncc tntctnanan 60
 nntcatcnca atnttncttn atctnggnan aatttananna gaccncnatt tgaggnacnc 120
 nggantncat nacagtggcg gccgctctag aacgagtgga ttccccggnc tgcaggaaat 180
 gtncncacg agggggcntna angttncna ggtangtngg ctncntggg ngnnttantg 240
 tnncannaag gactncacnc anacantttt catgatcagt tcattatnat ttctttnann 300
 ttttaaactt nnnantcctc anccactccc tcttnattan nntanatctt nnnnnnnnnn 360
 tnttaatntn nacctttttc tctatanntn tctctgtnan ctgngncncn gtctanncnt 420
 tcntantcga gctctntaat tgtntactta ttccnaaac tnngtttctc attccncnc 480
 catanannat nntcnntaca tanncgagnc anatttcccn ctttantggn taccttttca 540
 nanatatatt gacnacgtct tttanntttt tnnntntcan tcatcancng atnntncana 600
 ctantctccc ntnanaccta naacantgtn tnaaanaacn ctatatttac tcnttatntt 660
 ataatchagt gntcngnnna ctcgnatant cantatngcn nananganct agnngccacn 720
 nttngnnan tattttngan tctccatntt ntagtcncnc aactanact aactttnatn 780
 atttctntt gcaacagntn ngcccttnt nntaatnctc tacnttntt attccaccnn 840
 angaccctcc nctantanta acnngatnan gccnttantt nanntactcc atcacntcgt 900
 ctactacang aggcnacnc tntgttgant nnnctcntca annntnnnn tnacctctat 960
 tctcntnta ntactttccc nnnaatntac ttntccgtat atntntntt aagancnnct 1020
 nntannatga aatannatta tttntattan ctcttctnt tanttctctn cgcattntnt 1080
 nnccttgaggn gaccncntca tntatnnct ctcnanagnt nttntatnn ctatnnnnnc 1140
 annccntct tactagtana ccaatnnctc agntcggcna tnnttatgtg ccncncnn 1200
 ngtccccact acctnaaac cntngnggan nctnngctnn gnttntgnaa atanaacccc 1260
 ccaattntt ataaacntgn ngncnnntcn ctccctcncn ancnnntnt acatacnc 1320
 ctctatctta ntcnaanta ngtatcann nacntcgcgt atatataaac ntngnatnc 1380

tntnctctat natcttaten gtacntcana cnnnacgttn nttncnccga ttttaagtnat	1440
tnncncgnnn natcnncgc ancgtctctt atntatctnn cnactcatct anngttacgt	1500
gactntcnat anngtatcta attttnnatt tnattttang	1540

<210> 1243
 <211> 1540
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1540)
 <223> n is a, c, g, or t

<400> 1243	
nncnatattg tgtnattatt tttntntttn nnttnnnnnn annnnnncc tntctnanan	60
nntcatcnca atnttntctn atctnggnan aatttannta gaccncnatt tgagnnacnc	120
nggantncat nacagtggcg gccgctctag aacgagtgga ttccccggnc tgcaggaaat	180
gtncncacag aggggcntna angttncna ggtangtngg ctncnntggg ngnnttantg	240
tnncannaag gactncacnc anacantttt catgatcagt tcattatnat ttcttttann	300
ttttaaatct nnnantcctc anccactccc tcttnattan nntanatctt nnnnnnnnnn	360
tnttaatntn nacctttttc tctatanntn tctctgtnan ctgngncncn gtctanncnt	420
tctantcga gctctntaat tgtntactta ttccnaaac tnngtttctc attcccnnc	480
catanannat nntcnntaca tanncgagnc anatttccn ctttantggn taccttttca	540
nanatatatt gacnacgtct tttanntttt tnnntntcan tcatcancng atnntncana	600
ctantctccc ntnanaccta naacantgtn tnaaanaacn ctatatttac tcnttatntt	660
ataatcnagt gntcngnna ctcgnatant cantatngcn nananganct agnngccacn	720
nttnngnna tatttttngan tctccatntt ntagtcncnc acactanact aacttttnatn	780
atttcctntt gcaacagntn ngcccttnt nntaatnctc tacnttnttt attccaccnn	840
angaccctcc nctantanta acnngatnan gccnttantt nanntactcc atcacntcgt	900
ctactacang aggcnacnc tntgttgant nnnctcntca annntnnnn tnacctctat	960
tctcntnta ntactttccc nnaatntac ttntccgtat atntntnttt aagancnnt	1020
nntannatga aatannatta ttntatttan ctcttctnt tanttctctn cgcantttnt	1080
nncttgaggn gaccncntca tntatnnct ctcnanagnt nttntatnnn ctatnnnnnc	1140
annccntct tactagtana ccaatnnctc agntcggcna tnnttatgtg cccnccnncn	1200

ngtccccact acctnaaaac cntnggngan nctnngctnn gnttntgnaa atanaacccc 1260
 ccaattnttt ataaacntgn ngncnnntcn ctctctcn cnancnnttnt acatacnccc 1320
 ctctatctta nactnaanta ngatttcann nacttcgcgt atatataaac ntngnatnc 1380
 tntnctctat natcttatch gtacntcana cnnnacgttn nttncnccga ttttaagtnat 1440
 tnnncggnnn nactnnccgc ancgctctct atntatctnn cnactcatct anngttacgt 1500
 gactntcnat anngtatcta attttnnatt tnattttang 1540

<210> 1244
 <211> 987
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(987)
 <223> n is a, c, g, or t

<400> 1244
 tnnanaaann ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcacga ggccggacac aagggggagc gtggttacct cggtaacgca 120
 ggtcctgttg gtgctgccgg tgcctctggc cctcaaggcc ctgtgggtcc cgtttgtaaa 180
 cacggaaacc gtggtgaacc gggctctgcc ggtgctgttg gtctgtctgg tgctgttggc 240
 ccaagaggtc ccagtggccc acaaggattt cgaggtgaca agggagagcc tggtgataag 300
 ggtcccagag gtcttctctg cttaaaggga cacaatgggt tgcaaggctt cccgggtctt 360
 gctggctatc atggcgatca aggtgctccc ggtgctgttg gtcccgctgg tcccaggggc 420
 cctgctggtc cttctggccc cgctggcaaa gacggtcgca ttggacagcc tgggtgcagtt 480
 ggacctgtg gcattcgtgg ctctcanggt agccaaggct ctgctggccc tcttggtccc 540
 cctggccctn ctggacctnc tggcccaagt ggtggtggnt acaaattttg gtttttgatg 600
 gaaactnta cagggtgac caancttgct taccaacttt ttttnaaacc caaggattat 660
 gaagttgatg cttactctga aatctctcaa caaccaaact tgaaaaccct tnttacttca 720
 aaaaggcttt aagaaaaaac ccaacttga caatgcccga gactttgana ctcaanccn 780
 cccaaaaatg ggagcaaggg gttactaact ggggaattga ccccttaacc caagggatgg 840
 ncctnttggg ttgccttntt caaaagnata cctggggaaa tttnttttan ttgggggaaa 900
 aacttggnnt tccngggctt caaaccttga aaaaaaattc ccaaatnaa aaaaacttgg 960

gtaccaaaaa aaattttccaa ggggccca

987

<210> 1245
<211> 938
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(938)
<223> n is a, c, g, or t

<400> 1245
aaaagctgga gctccccgcg gtggcgccgc ctctagaact agtggatccc ccgggctgca 60
ggngagggna accatgacat acagtgatgc anggaanaan acgaagtgga nggcanaata 120
gctataggaa agcngctgga cttgcaactgg aggagctgga cagggtctttt ggtcagctgg 180
tcttgacagcc acacctcttg gtccctggaga gagagaaaaan aantgctgnt agcanagctg 240
ctgaaacacc tcttncnttc ccnancctct ttcacaaagg catttgaact ctttggcatt 300
ctacacaatc tacacttacg gatcctcact tgacactcgc cttcctctgg ctccccctgtt 360
tcagggcagn anaagcanan ngaggctttt tgtgaaatga aaggcngcat gtnggaaaaa 420
gaatgnctgg gaaataggac aggaaactcc tcttntaaaa agatgggtgt ggggtgacaa 480
ntgcaggcac acctggnttc aanttctanc ttcaatatat gactggctat ggggactttg 540
gnaananttt taaccttctg ggcctcattt ttccnttgga aaangganca aaccctacc 600
ttacanggggt ggttgngagg attaaattaa atganatgng tatgtaaagt ttctaacnca 660
gngcctacat attgggggtc ctcaataaaa gggaaccagc agctnaaaaa aaaaaaaaaa 720
annnnnnnnn nnnnaaaaaa aaaaaaaaaa nnnnnnnnnn ttttttncct naaaaanntt 780
ttnnnaaann nttnnncccc ccngggggtt tttttttnaa annngnnnnn naaaaanntt 840
tttnnnnnnn nnnnnnnnnn nnntttntnn nnnnnngggg gggnncccn nccccccnc 900
nnnnnnnnnn nnnnttttn nnnngggggg ngnnnnn 938

<210> 1246
<211> 955
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, c, g, or t

<400> 1246
naaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggcagcag cctaaatgtg cagactttgt aaccaagccc acccgagatc ggtctgtgct 120
ttcacgtgac caccatctgt gcctccctcg ctccatccaa atttgtgtag gcagctcctt 180
ggagccattc ctaaaaaatat agctacacca ggccctggaa actgtagtca agtaacaggc 240
ttaagtgttt tccctccttg agttaaacct ccattagatc tcttttgagg gacctttcag 300
ctgcaggcat cagtgtgttc tgacagcgag acacgttatg tgtgtgtttt ctatctggat 360
ccagggcatc aggatacagt tcatcttctt gtacttcttc tctggcatgc agtatttctg 420
gactatgttt ataagtctgt ttagtaaagg gtgggataga ggataccaag ggagtttcca 480
agggacagag atggatcagt taacgatagt cagaaatgaa cttaaaagt gcttgaaaa 540
accaatcaca tcttatcagg acgcatacct ttatgttttc tagctcctgt cgctgaactg 600
gttgctgggt agcccgtaaa tttctataaa tctgctgga ctcagttctc actgtacttc 660
caaagaactt cgatcgnngg tttacatgga catgtatttc aggggagtgt ttacaaaggg 720
cggatgggcc ccatatantt gcctgggnaa atgaaccccg gggangggtc ctttnaaatg 780
ggcnaagnnt tttattaacn cnaaaaaaaaa taaccctttt tgaaaaaaaa ttgggcnggn 840
ncctttgggg gggcgggggt tttntttttt ntggcnnnng gggggtnnag gggnnanaaa 900
aaacaaaggg gtttttttta atttttttng gggggggggg ttttttnnag gnggg 955

<210> 1247
<211> 926
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(926)
<223> n is a, c, g, or t

<400> 1247
acaanctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60

aggccgccat gggctgtctc ggaaacagca agaccgagga ccagcgcaac taggagaagg	120
cgcagcgcgga ggccaacaag aagatcgaga agcagctgca gaaggacaag caggtctacc	180
gggccacgca ccgtctgctg ctgctgggtg ctggagaatc tggtaaaagc accattgtga	240
agcaaatgag gatcctgcat gttaatgggt ttaatggaga gggcggcgaa gaggacccgc	300
aggctgcaag gagcaacagc gatggtgaga aggccaccaa agtgcaggac atcaaaaaca	360
acctgaaaga ggccattgaa accatcgtgg ccgccatgag caacctgggtg cccctgtgg	420
agctggccaa ccagagaaac cagttcagag tggattacat tctgagcgtg atgaacgtgc	480
cggactttga tttccctccc gaattctacg agcatgccaa ggctctctgg gaggatgaag	540
gggtgcgtgc ctgctatgag cgctccaacg agtaccagct gattgactgc gccagtact	600
tcctggacaa gattgatgtc atcaagcagg atgactacgt tgcccagcga ccangatctg	660
ttccgcttgc cngtctctgg acttctggaa tctttgaaac caagttncag gnggacaaaa	720
gtcaactttc ccattgtttg acgtgggccc gccaaccccn atgaaccccc gcaaatggat	780
nccaatgcnt tcaatgaatg ggactggcca ttaatttttn gggggtggcc ancancaant	840
ttcnaaattg gggcattttt gggaaggaaa aacaaaaacc aaacccgcct gggngggaag	900
ggcttttgn aacctttttt aanann	926

<210> 1248
 <211> 1018
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1018)
 <223> n is a, c, g, or t

<400> 1248	
gccnatntgg agctncaccn cngtggcggc cgctctagaa ctagtggatc ccccggtg	60
caggctccca tgctccctct tttggcaaac tgtaagtact gtctcagcaa acagcgataa	120
tttcacaatt tcctctctag aattgctgag agacttgagt caccaaactg ggttcactac	180
tgtggaaatg cattgttcag aacacagaaa gaaatttaag atttctgctt ttctgtgaca	240
gtatttgttt ccgcctcagt tcagagtgtg aactgcaggc tcctggcaag actgctat	300
aacattgcat gtgagaacct ggtaaatagg cagaaaaatc tggagcttga aaggaacctc	360
agaatgattc atatggtcat tcattagatt gggaccttta aggatctct ttcagcctct	420
ctcagtgcag aaatcaggac aggggtgctt gtggcaaatt gctttccaac ctcggtagag	480

taactgcaat gcagttcact cctcacgagg gagccggtcc cattgttaaa gagcaaagac	540
tgattgcttt attggttcta gaagcaaagc caacttacag aggaagggga tttctttaaa	600
cagcagttca agcaaaagcc agattgaaca aattttgctc cctgaaaaaa attttacttc	660
aggggggagta atattgtggg ntattataat aatcangaat cgtgagaatg atgaaaatat	720
aatgatgcta gccagcttag tccattagta aancactgat tatgtaccac aactgtcct	780
aagtgcctta tgtinnattga acccngtgta aactctcaaa aataaacctt tatggagann	840
gggataccat tattcctcac ttttttaaat gaaanaaact gangggcccag aaaaggnntt	900
tacagtnntt ncacannnta antaacnngt agcaggnggg gncnaggntc caanaacctn	960
ggcntcttaa ctactgngct gncctgcag ngggganccc ntggntngtt ntntccct	1018

<210> 1249
 <211> 972
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(972)
 <223> n is a, c, g, or t

<400> 1249	
aaanctggag ctccaccgcg gtggcgggccg ctctagaact agtggatccc ccgggctgca	60
gganttcggc ncgaggcttg cttctctagg gaagaatcca accgatgcgt acctggaagc	120
catgatgaac gaggctccag ggcccatcaa ctttaccatg ttctcacca tgtttgggga	180
gaagctganc ggcacagacc cagaagacgt catcagaaat gcttttgcct gctttgatga	240
aaaagcaact ggcaccattc aggaggatta cctgagagaa ctgctgacca caatgggaga	300
ccggtttaca gacgaggaag tggacgagct gtacagagaa gcacctattg acaaaaagg	360
gaatttcaat tacatcgagt tcactcgaat ccttaagcat ggagcgaaag acaaagatga	420
ctgaaggaac ttgagctaaa actttccagt tactttgtct tactctatac tgtttcctag	480
acatttcccc ccacccccca taggcctgtt gcatgcaact ttgattcaca gctttgcctt	540
tttttttttt ttgggggnntt nnattaaaaa cntccngncc cttaacctnt tgtanaanca	600
annngnaagg gggaaaaaat ttnaaatttg tttgaaaaaa aaaattggna aaaaaaann	660
ccnaannngg aacccccngg aanttttaaa aaaaaaaaaa aannnnnggg gggggggccg	720
gncccccantt ncccccttan ngggggnnnn nnnnnaannn nnnnnnnnnn nnnnnnnnn	780

nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nn	972

<210> 1250
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1250	
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggccgccgc cccgcccgtt gttaccggtt ttgtaagaac aagccgtacc caaagtctcg	120
cttctgtcga ggtgtccctg atgctaagat tcgcatcttt gacttggggc gtaagaaggc	180
caaagtggat gagttcccac ttttgggncn catgggggca agaagaatat naacnanttt	240
tctttnaaac cctngangnt ngccgnatit ggccnacna nnnccnngg naaanntngg	300
gnnaaaanng gtttnanntt ccaangncgg ttcnccctt tcnttnnatt ccnattaaca	360
anangntgnc ttgggctnga nctgatanan tncaaanagg natncncngn gcctttggaa	420
agccccangg cacantggcc anggtccaca ttggccangn cataatggcc attcgcacca	480
agctgcagaa caaggaacat gtgattgaag cccttcgccg ggccaagtgc aagttccctg	540
gccgccacaa anatacacat ctctaataaa ntggggattt accaagttca acgcggatga	600
natttgagaa natggngggg agaaaagcga ctentaccnn acaggtgtgg ggngananac	660
anatctataa tnggggccc nngggcaaan ggggggnncc tanactcttg agnanatgag	720
gnngtgcccc tcctttttta attncncacc aaaaaanaag ccgntttttt ttgtggaaaa	780
aaaaaaaaaa aaaaaaaant ncnngggggg gggggcncgg ggncnnaaat ttncccnttt	840
ttatngnnnn gggnnnnnt nntannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnc	957

<210> 1251
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1251
 gcctatntgg agctncancn cngtggcggc cgctctagaa ctagtggatc ccccggcctg 60
 naggganttc ggcacagggg cagaagggtc gcgaggaggt ggttaccggg gncaattctg 120
 ttgaccaggc cctgattnac ccnnnaaana attcngttt canccctnnc ccggcttccn 180
 ttntnnctt ggaaaagnan gggaaccant ggntnnntnt ngctttnaac nnttnngccn 240
 atgcttaagn tttngcnnng gncntttnaa annccaatna tttnaatggn gccntnacna 300
 tggantgaac ncccanaatg gagaaaaatg ggannntnnn ggagagaatg gncnaagan 360
 naacnngcct gtcttggaag tggaaaanga gaaantcnag tgtgatcctc atgaggcccn 420
 ntgctatgac aatgngaaga cttacnccnn tnggagaana ctgnnacaaa agantatntn 480
 tnggccnnt tgctcctgcn catgctctgn aggcnacngg ggctgtngct ntgacacctg 540
 tcgcagacct gnggcttgac cccggaacna aaggttcact tgtncactct actaccaagt 600
 atttcccaga gatccntcan aaaaccacac actnttgtna cctgccncac nnaagncttc 660
 nttgcccttt ggaagtccac gctgncacaa aaaaataccc nngaagtant tattttcccc 720
 ccccaaaaac nagcgnnggt tttttccaag gnccttccna aactgggggg gnggttcnca 780
 aaacccccct ggttnngggg ggncttttnt ttaaanncct tttttcntg ggaggaaatt 840
 tcttcnanct ttnnnttnaa cttnnnaann tttttcaaa cattnaaccc ctggggnggg 900
 gttttaaaaa tttttttcn ttcattnggg nggnancagg tttnttttt ttttnca 957

<210> 1252
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1252
 gcctatntgg agctncancn cngtggcggc cgctctagaa ctagtggatc ccccggcctg 60

naggganttc ggcacagggg cagaaggttc gcgaggaggt ggttaccggg gncaattctg	120
ttgaccaggc cctgattnac ccnnnaaana attcnngttt canccctnnc ccggcttccn	180
ttntnncntt ggaaaagnan gggaaccant ggntnnntnt ngctttnaac nnttnngccn	240
atgcttaagn tttngcnng gncntttnaa annccaatna tttnaatggg gccntnacna	300
tggantgaac nccanaatg gagaaaaatg ggannntnnn ggagagaaatg gnccnaagan	360
naacnngcct gtcttggaag tggaaaanga gaaantcnag tgtgatcctc atgaggcccn	420
ntgctatgac aatgngaaga cttacnccnn tnggagaana ctggnacaaa agantatntn	480
tnggccnnt tgctcctgcn catgctctgn aggcnacngg ggctgtngct ntgacacctg	540
tcgcagacct gnggcttgac cccggaacna aagggttact tgtncactct actaccaagt	600
atttcccaga gatccntcan aaaaccacac actnttgtna cctgccncac nnaagncttc	660
nttgcccttt ggaagtccac gctgncacaa aaaaataccc nngaagtant tattttcccc	720
ccccaaaaac nagecngngt tttttccaag gnccttcna aactgggggg gnggttcna	780
aaacccccct ggtngggggg ggnctttnt ttaaannct tttttontg ggaggaaatt	840
tcttcnact ttnnnttnaa cttnnnaann tttttcaaa cattnaaccc ctggggnggg	900
gttttaaaaa tttttttcn ttcattnggg nggnancagg tttnttttt ttttnca	957

<210> 1253
 <211> 959
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(959)
 <223> n is a, c, g, or t

<400> 1253	
ttnnnaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcagggc tgcgagtacc tcatggagct gatgacgcca gctgcctgcc cagagcccc	120
gcctgaatac ccagtggagg ggcacatga tgagctctag ccctgccctg ccctgccag	180
tgcagagaaa tcaagatgtg gaaccagccc ccagtgggtc tccccatccg ccctgagtc	240
tgtggaccaa ggctgccgn tatgggtcac ctcaccacc ccacagggca ggaagcaggt	300
agggctccat gccctgcttt tggttggcca gtggggcaga gccatgttcc caggccccctg	360
ctgcctccac agatggaata aaggagcctg tctgcttg gccccacac cctgggggcc	420
tggcccgtg tgccccccac ccagggtatc tgcttccct ctaggtgggg aagtgacttg	480

acctgtgacc cccaaacaat aaacatgatc cctccaaaaa aaaaaaaaaa aaaacntgng	540
ggggggcccg ggncccnatt tcgccttatg gggngctnnt anaaannnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnannnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	959

<210> 1254
 <211> 943
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(943)
 <223> n is a, c, g, or t

<400> 1254 tnnanaaaac tggactccac cgcggtggcg gccgctctag aactagtgga tccccgggc	60
tgcaggggcg gccggggcca cttcctgtgc ttcgtctacc cgctggattt cgcccgaacc	120
cgcttgccg cgacgtggg caagtcgggc agtgagcgcg agttcagggg cctgggagat	180
tgtctggtga agatcaccaa gtccgacggc atccgcgggc tgtaccaggg cttcaacatg	240
tcggtgcagg gcatcatcat ctaccgcgcc gnetacttca ggcatctact acaccgacna	300
gggcatgctc ccngaccca ataacactca catagtgggtg agctggatga tcgcgcagac	360
cgtgacggcc gtggcgggcg tggctctcta ccccttcgac accgtgcggc ggcgcgatgat	420
gatgcagtcg gggcgcaaag gagccgacat catgtacaag ggcaccgtgg actgctggcg	480
gaagatcttc aaggacgagg gcggcaaggc cttnttcaag ggcgcctggt ccaacgttct	540
gcgcggcatg ggccggcgcc ttcgtgctgg tcctntacna cnagctcaan aaggtcatnt	600
aggcgccccg tccgcccgcc gggaacggct aacgccatnc cttattggga cggaccaccg	660
acttcaaaa attcaacgtc ccgcccggg ccgggccacc ccggccgngg ggnntntttg	720
nngggggacc attggnccctg ggtccncccc tttaattggg ggggggggna aaggcaatcg	780
gggggggtnt ccttgggtnc ccaagttnnag ggaanttccc nnaacccaaa cttaaaattc	840

cgggggccttt tgaggnaccc aaccgcggnt ttaaattttt tttttnaaaa aaaaccttgg 900
ntccatttgg acttttaaac cctnttcctt ttttttttgc cat 943

<210> 1255
<211> 973
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(973)
<223> n is a, c, g, or t

<400> 1255
ttnnnnnanan nctggagctc caccgcgggtg gcggccgctc tagaactagt ggatcccccg 60
ggctgcagga attcggcacg aggtgtctgc ctgcctgcct gccactgagg gttcccagca 120
ccatgagggc ctggatcttc tttctccttt gcctggccgg gagggccttg gcagccccctc 180
aacaggaagc cttgcctgat gagacagaag tgggtgaaga aaccgtggcc gaggtggccg 240
aggtacccgt gggagccaac cccgtccagg tggaagtagg agaattcgat gatggtgccg 300
aggaaaccga ggaggaggtg gtggccgaga acccctgccca gaaccaccac tgcaaacacg 360
gcaaggtgtg tgaactggac gagaacaaca ccccatgtg tgtgtgccag gacccaccca 420
gctgccctgc ccccatcggc gagtttgaga aggtgtgcag caacgacaac aagaccttcg 480
acttctctctg ccacttcttt gccaccaagt gtacactgga gggcaccaag aagggccaca 540
aactccacct ggactacatc gggccttgca aatacatccc cccctgcctg gactncgagc 600
tgactgaatt ccccttgccg atgcnggact ggcttaaaaa cgtcctggtc acgctgtacg 660
aganggacga ggacaacaac cttctgaccg anaaacaana agcttngagt gaaaaaaaaat 720
ccacgaaaaa tgaaaaaccg cctgganggt tggcgaacca ttcttgngga aattggtggg 780
ccccgganct ttnaaaaaaaa aattaccaac atgggtccatt ttttccttgg gcccctngga 840
agttnggggc cantttggat caancncccc ccntttgnng gggtnccctt ttttaaaacc 900
cggggntggg cccccaattn gggcncccc cnttttttcc ccangggaaa ccctggcncc 960
ccccccntt ttt 973

<210> 1256
<211> 940
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(940)
<223> n is a, c, g, or t

<400> 1256
tnnnngnnanc tggagctccc cgcggtggcg gccgctctag aactagtgga tcccccgggc 60
tgcaggcagc agcctaaatg tgcagacttt gtaaccaagc ccacccgaga tcggtctgtg 120
ctttcacgtg accaccatct gtgcctccct cgctccatcc aaatttgtgt aggcagctcc 180
ttggagccat tcctaaaaat atagctacac caggccctgg aaactgtagt caagtaacag 240
gcttaagtgt tttccctcct tgagttaaac ctccattaga tctcttttga gggacctttc 300
agctgcaggc atcagtgtgt tctgacagcg agacacgtta tgtgtgtgtt ttctatctgg 360
atccagggca tcaggatata gttcatcttc ttgtacttcc tctctggcat gcagtatttc 420
tggaactatgt ttataagtct gtttagtaaa ggggtgggata gaggatacca agggagtttc 480
caagggacag agatggatca gttaacgata gtcagaaatg aacttaaaag ttgccttgaa 540
aaaccaatca catcttatca ggacgcatac ctttatgttt tctagctcct gtcgctgaac 600
tgttgctggg tagcccgtag atttctataa atcctgctgg actcaattct tactgnactt 660
ccaaanaact cgatcggggg gtttacctgg tncatgtatt canggggaagn gtaccnaaan 720
ggnggatgg gccccattat tttggcctgg gnaaaagaaa ccnngggaag gggttcnttt 780
naaatngggc aaaaattttt ttttaatccn aaanaaaata aacccctttt tgnaaaaaat 840
tngggcntgg gncctttggg ggggcngggg gtttttttn tttttggccn ttngnggggt 900
aaaaggggan taaaaaaac caaaggggtt ttttttacat 940

<210> 1257
<211> 1322
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1322)
<223> n is a, c, g, or t

<400> 1257
gnccctttta ngtgnggtcn nantnangng gggnatnttc tctttttnan cntctcgtnt 60

ttcncctcgg ntctcgentc ntcnactccc ncatcnatat gtnnacttgt taaccnnt	120
gacgcncgng gcgtgntncc tnggggggcn nntatagngg tgntcttcta ttgntnannt	180
ntntncgaan atcttntggg nttngggacc antnaaagan ntnntnctnt aagcnccnan	240
tncngntcn tnnntagnna anannacnnn tatcntgctn gcnatgctcg naacnnctnn	300
nnntttnnat gnggtntntaa ntntnncngn nnnngnagtt gnanatnttn gcaatcngcn	360
naaagtgntg agcggnatng ggattgttgn nnnnaccttn ttannannnt cncntntcng	420
anagntngnc agtannntgg antngngggn nnncantngg cacngttggc nagnngtggg	480
nagtntnttg tnnanntnn ttntnttcgc gncaannncn ncggnttcnc naagtaaana	540
ctntctcagn cncncagant gnggtntatg nttngnnnn ancagtnacg nctgnangcn	600
tangntaaat annacgnag tcgtaatcac ngggntctacn gngnggancc nnannangt	660
ntngngntnn tctnncngng ttncngaagc cnnngntnn annntnnct aatgtggagg	720
gagtatgnnn tggntaatnt tagnangcct tgtngntngn ccnagntcta ttnnnnntng	780
gnggtgggna nnctancann cnnnggacng antnaaagga anagnggng nggtntnttg	840
ngnnnnnnnn tttggagggg ccgggtgggg gcgntagnnn gcngnanaat nttngcnggg	900
ntngntagnn aangnnccnn tncctgcna cagnngntng gngggangng annnaanga	960
cnnatnnagc nagnccnngn naantnggcg cagnanntnn nctnnnaggc nnggnggtgn	1020
gntgtagtnc tgnnnccnn cagagnacng anntgcagcg nangtgntna ggannncgga	1080
ancngnnnaa tnagnaccgg tncanntaag cantncntnn nantnnagac gtgcnttgat	1140
agnncntgc ngcncagngc ngcganntaa tatnnganca tagcggancc tcgtatctnt	1200
agnnagctgn angantacct cgnnncngag ntcnancntg tgannnangg agagacanag	1260
cgnggnnnag anatgnnnnn tngtntgtnc gactgagntg nntnatntan agaggtgcgn	1320
cg	1322

<210> 1258
 <211> 1322
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1322)
 <223> n is a, c, g, or t

<400> 1258	
gnccctttta ngtgnggtcn nantnangng gggnatnttc tctttttnan cntctcgtnt	60

ttcncctcgg ntctcgentc ntenactccc ncatcnatat gtnnacttgt taaccnnt	120
gacgcncgng gcgtgntncc tgnnggggcn nntatagngg tgntcttcta ttgntnannt	180
ntntncgaan atcttntggg nttngggacc antnaaagan ntnntnctnt aagcncnna	240
tncngntcn tnnntagnna anannacnnn tatcntgctn gcnatgctcg naacnntnn	300
nnntttnnat gnngtnntaa ntntnncngn nnnngnagtt gnantnttn gcaatcngcn	360
naaagtgtg agcggnatng ggattgttgn nnnnaccttn ttannannnt cncntntcng	420
anagntngnc agtannntgg antngngggn nnncantngg cacngttggc nagnngtggg	480
nagtntntg tnannantnn ttntnttcgc gncaannncn nccgnttcnc naagtaaana	540
ctntctcagn cncncagant gnngtnatg nttngnnnn ancagtnacg nctgnangcn	600
tangntaaat annagcgnag tcgtaatcac ngggntacn gngnggancc nnannangt	660
ntnngntnn tctnncngng ttncngaagc cnnngntnn annntnnct aatgtggagg	720
gagtatgnnn tggntaatnt tagnangcct tgtngntngn ccnagntcta ttnnnntng	780
gnggtgggna nnctancann cnnnggacng antnaagga anagnggng nggtntntg	840
ngnnnnnnnn tttggagggg ccgggtggg gcgntagnnn gcngnanaat nttngcnggg	900
ntngntagnn aangnnnnn tncctgcna cagnngntng gnnggangng annnaanga	960
cnnatnnagc nagnccnngn naantnggcg cagnanntnn nctnnnaggc nnggnngtn	1020
gntgtagtnc tgnnnnnnc cagagnacng anntgcagcg nangtgntna ggannncgga	1080
ancngnnnaa tnagnaccgg tncanntaag cantncntnn nantnnagac gtgcnttgat	1140
agnncntgc ngcncagngc ngcgannntaa tatnnganca tagcggancc tcgtatctnt	1200
agnnagctgn angantacct cgnnncngag ntcnancntg tgannnangg agagacanag	1260
cgngggnnag anatgnnnnn tngtntgtnc gactgagntg nntnatntan agaggtgcgn	1320
cg	1322

<210> 1259
 <211> 1583
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1583)
 <223> n is a, c, g, or t

<400> 1259
 ttgagncna ntaggggggn cgcatnncng gggggcggt cgctcttaga cctagtggga 60
 ttcccccggn nctngcaggg antttntggt naatntgann gagntnttca tncatnttta 120
 ncncnattcc cnaatatnan aaancannng gggccatncc nntntnanna nntgggntcn 180
 tganaaccta attnntngcg annntctnat ctttannnnn aggnnnntga ntnggatgna 240
 ggnannanca natnanntag tcanagaanc tntatgattc ancgatatnn attnacgtta 300
 ctgcgcgnnt ancntgnnn nntnatanatn agacnagaan annganatng acangnnatn 360
 nctnctgtcn naatcnttca tannnnnnnc atgantanc ttagtanacgn tgctnnnnnt 420
 nngcnngtgt nntnctccc tttctcnnag catgncnct cnnagagtnt annnagnggt 480
 nntnncngt gantaatctg atnntnacc ngtgannngn gacgacnncn gacagngntn 540
 nctagngtgn tanncgannn gnnntngnnc nctnatnnnc ncccnggtan aagatgtann 600
 ctttctncat nganctgnnn nncgangnnn nntgcntaag tngnttcaac ttatntgngn 660
 atnntntnan nctncngtag tcccnatgat aatatntngt atnntgtgt actctgganc 720
 ncnnncngtg gatntantta tcnatnaatt ntccgaangn nntgnggat nnnntncant 780
 nncgttnacn cngtntgatn tnancntcga naganntnc tntatcncnn nntanagann 840
 ctnatnnaac ngaannant ngntgnggat tnancnatna gtcntctctg agnangatn 900
 nttnnntcnn naanatnacn atatngnntn ngcngctnc gnanntnna tttgggtcnt 960
 ttnnnannan cgnnnctcnn ttntcngng ngacgngng gcggggnncg agtannangn 1020
 cnnanncnnn tgccnntgg cnnnagannn gncnntntgg cntnnnaana nntgaagtct 1080
 accntnnnnn nnatcgant cgatgtgtan ttnaagtnt gtattntca ncancagnnc 1140
 acntggtnan nganntagan gatgntcttc catngataa ncatttngng acgnaccnng 1200
 agagtatggn taannatcnn annctgtnan gangacgnan gtacnntng tggtatgagg 1260
 ncngaggacn ganggaanaa agntagaanc natggaggt cgacgtncgn acnnacgacg 1320
 nnanntcnta cngntaggta ntntcngcng aangntctc cngtcncng natctcgt 1380

angtntgnac gncgngaagc gangngatnn atnacnngna nnaacgnaac ttaannnncg 1440
aacgtacgaa ngggacgtac ggncncacgc gaatgaangt aggtgactca cgncncgcgn 1500
tnntannnga nntntngnat aggnccgcncct gnnnnntacn cnacgtcgna cgggaangan 1560
agnaatgncn gaacgnttac gcg 1583

<210> 1260
<211> 943
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(943)
<223> n is a, c, g, or t

<400> 1260
naaaagctgg agctccaccg cgngggcggc cgctctagaa ctagtggtac ccccggtg 60
caggaattcg gcacgaggac caatgacaaa gataggaata caaagtgtat tagttagcca 120
tcattcttgc actaagcacc agaagacttg aaaaatctaa aaaacaaaaa aaaaatctca 180
ttnaactagg ataattcaaa aggaatatta aatcgataaa accaggactc acatgccaaa 240
gttctcatca gnggacgctc acatnttggg tccttccata taaaacttgg ttgccgntnt 300
atttaaagnc tttttttcaa anattttcat tgngtttctg ntaaanctaa anctntgntc 360
anngccnnta cnaaacangg gacaattctt anactggctt gaaaatcccc ccggnanaan 420
catgngcnac tntgnaanan tttttgntca aaaacattac tgntcgaagc aacnttcctt 480
tctatttctt antgntacna aggaccngca ggganaaatg nccntntcccc ancagngaag 540
actggtatgc aatttacact tgatgctcag gcctgctgaa gctgaggctt acctgtaatc 600
atanccttcc aggggatgaa ntcttcagtt cgtctaataa gtncctaac gagtgtgaaa 660
ggcactttga ggggatttta ttaacaaaaa ctggttctt ttataaaaac natatattca 720
ttttcccnca tactataaag ccnctgnga cctacctacc tctcaaaang gacctttttg 780
gggaaaaaag ctnacatttt ttaggggaaa aaaggatccc ctttttaccg ggggggttaa 840
gatttttttg gnattggggg nccataanan cangtttttt ttcaatgnta ttttaccagg 900
gaaaatcntt tggaatnana accttttacc ccccgacca aaa 943

<210> 1261
 <211> 970
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(970)
 <223> n is a, c, g, or t

<400> 1261
 gcctatctgg agctncancn cngtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggctgagg aaccccggtg gcagggcaag gttcgggatc atgagttgga ttcctttcaa 120
 gattggncag cccaanaanc agattgtccc caaancagtg ganagagant ttgancgana 180
 gtttggaaaa ntccancagt tggagnacca aacaaaaagg ntgcaaaagg ncttnaaaaa 240
 aancncggnc ccnncctgg cntgtttaa ntngntggn aaaatntcnt ngnnntngnt 300
 ntccancccc ntttgcaann aaaccagna ntttttnanc ntggnnanng ccttgnnnc 360
 agcntnaan nggnnggntn cnttcacca ggaaaagggtg acccaaatcc anagaantgt 420
 natngancct tnaaaaaagt tcggcatgtg tgttcccnan tctaaattgg catganaacc 480
 ggnggagcca ggcnttgca nantacaaaa ggggtgtgnac nccagggtgg aaannnccaa 540
 gganagggaa aacacggccc nggctctggc caanntccac caggcccgaa aagatttacg 600
 ccatttcgga tangnntttg gggccaaaaa acacgcattn ttngntnga nanccgcnt 660
 tatanacc gagtgtggtg tttttncacc ccatttttgg tncnttttan nanaaccaag 720
 nggttggtgc tctncttnaa antctgcaca atatttttna gaatttttnn cnccagcntt 780
 tttcaccac ccnctttntc tctttgaana acctnngggg aggcgnnaaa aaacggaggc 840
 ccagtttttn aananatctt cnnaaccncn tttttcnttg ntgggnanna anaanttncc 900
 cctcccggtg ggnaaaantc ttgttganaa naaaacnacc cnccttcct ttntgccct 960
 ctttttaaaa 970

<210> 1262
 <211> 970
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(970)
 <223> n is a, c, g, or t

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<400> 1262
gcctatctgg agctncancn cngtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggctgagg aacccccggtg gcagggcaag gttcgggatc atgagttgga ttcctttcaa      120
gattggncag cccaanaanc agattgtccc caaancagtg ganagagant ttgancgana      180
gtttggaaaa ntccancagt tggagnacca aaccaaaaagg ntgcaaaaagg ncttnaaaaa      240
aanncgcggc cccnncctgg cntgttttaa ntngntggn aaaatntcnt ngnnntngnt      300
ntccancccc ntttgcaann aaaaccagna ntttttnanc ntggnnanng ccttgncnc      360
agcctnaan nggnnggntn cnttcacca ggaaaagggtg acccaaatcc anagaantgt      420
natngancct tnaaaaaagt tcggcatgtg tgttcccnan tctaaattgg catganaacc      480
ggnggagcca ggcnttgtag nantacaaaa ggggtgtgnac nccagggtgg aaannnccaa      540
gganagggaa aacacggccc nggctctggc caanntccac caggcccgaa aagatttacg      600
ccatttcgga tangnntttg gggccaaaaa acacgcattn ttngtnnga nanccgcnt      660
tatacanacc gagtgtggtg ttttncacc ccatttttgg tncnttttan nanaaccaag      720
nggttgggtg tctncttnaa antctgcaca atatttttna gaatttttnn cnccagcntt      780
tttcacccac ccnctttntc tctttgaana acctnngggg aggcggnaaa aaacggaggc      840
ccagtttttn aananatctt cnaaccncn ttttctnttg ntgggnanna anaanttncc      900
cctcccggtg ggnaaaantc ttgttganaa naaaacnacc cnccttcct ttntgcccct      960
ctttttaaaa

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<210> 1263
<211> 976
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(976)
<223> n is a, c, g, or t

<400> 1263
ttnnnnaaaa gctggagctc caccgcgggt ggcggccgct ctagaactag tggatcccc 60
gggctgcagg ttctgttaa ctcttaataa acttacacat gcaagcatct acaccccagn 120
gagaatgccc tctaggttat taaaactaag aggagctggc atcaagcaca caccctgtag 180
ctcacgacgc cttgcttaac cacaccccca cgggaaacag cagtgaacaa aattaagcca 240
taaacgaaag ttgactaag ttatattaat tagggttggg aaatctctg ccagccaccg 300
cggctacatg attaacccaa gctaacagga gtacggcgta aaacgtgtta aagcaccata 360
ccaaataggg ttaaattcta actaagctgt aaaaagccat gattaaaata aaantaantg 420
acgaangtga ccctacaata gccgacgcac tatagctaan acccaaactg ggattagata 480
ccccactatg cttagcccta aacacagata ttacntaac caanttntt cgccagagta 540
ctactagcac cagcttaaaa ctcaanggac ttgngggggc tttatattcc tttntaaagg 600
agcctgttnt ataatcgata aacccccgat aaccctcccc aatttttggt taaaacaggt 660
atatatcccg gctnttttta ggaaaccctt aaaaaaaaaa aaaaaaacc tggggggggg 720
ggcccggggg cccaaatttc ccnttaagg gggggnnnna nnaannnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnn 976

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<210> 1264
<211> 946
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(946)
<223> n is a, c, g, or t

<400> 1264
tnnancaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggcc gtgacaaaat gtgctcctgg tcaaaaagtg cccgaccatg atcgannctc 120
nccttcatgt caagactacc gatggttact tgcttcgtct gttctgtgtg gggtttacta 180
aaaagcgcaa caatcanatt cggaagacct cttacgcca gcaccagcag gtgcgccaga 240
tccgcaagaa gatgatggaa atcatgaccc gagaggtgca gacaaatgac ttgaaagagg 300
tggtcaataa attgattcca gatagcattg gaaaagacat agaaaaggct tgccaatcta 360
tttatccact ccatgatgtc ttcgtagaa aagtaaaaat gctgaagaag cccaaatttg 420
aattgggaaa actcatggag ctcatggtga aggtagtagt tctggaaaag ctctggggat 480
gagacagggt gctaaagttg aacgagctga tggataccag ccaccatcca agaatcggtt 540
taaaatgcan actcttaatg gggacaaata aaanatctta tttgnggttn nnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntnnnnnnnn nnnnnnnntn 660
gggggggggg gggggccccc cccntttttt ttttgggggg gnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnn 946

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<210> 1265
<211> 954
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(954)
<223> n is a, c, g, or t

<400> 1265
tnnagcccta tcnggagctn caccncngtg gcggccgctc tagaactagt ggatcccccg 60

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ggctgcagga attcnnngcn aggntnagnn ntangntgnt gggggggntn nntgngtggn	120
ggacnggggn gggnatanna nnnncnnttn tnganccnng ngcttgngctg catctncngc	180
ncnggagatg aacnntatatt acaatgnctt agattnnnnn nntgtntttc tantttcnnn	240
nngcctgnan cngnanangt nngangcntn nnncaatgtg nagcaggacc atgatacnac	300
aggcttggan atggaaggtt tgtnaantcn ntnttancca tgtgagcngg cnttggaenn	360
cntagnatna anaagtcgna tgnagtaacc nngncgnaat gctgngggac ctgaaccnnt	420
catactgact gtgcttanna gnnngngntcn atgatncngg cntcnanncc ccccccagc	480
atggnnncnc cctanannna ngtagcangc ttgnnanatc tnnncatanc gccgaccgga	540
ncntattcac tccnaaacag atggatncat nnnnttaanc gctgtnggcc ggnntgngctg	600
anagtcnaa cncnaacctt ngaacntnga acttngctggc agngaataa nnttacctng	660
tcccatnttg annanggaat gatcagatta aanacctgna agtgggngaa aaaaatgact	720
antaangggg accccccnc ctgaatcncg aatgaatttg tgcacttggg cggaagaaa	780
ctcancatgg ntctctnaat cntagnccnc cncgcttga aagaaaaact tggngattggg	840
gnaagggact tcanntttt cnggnnaaaa aatnttctt natgnaacct tgnnggtatt	900
tgttangaaa aanaaaaaaa aaatttnnaa nggggggncc ngaanttga nttt	954

<210> 1266
 <211> 1028
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1028)
 <223> n is a, c, g, or t

<400> 1266	
ttnagncctt nttnnggggn ngnttngcag gnggcggccg ctctagaact agtggatccc	60
ccgggctgca ggcagnatcc tanatgtgct nactttgaaa ccaagccan ccgagatcnn	120
tctggactgg attngantga aaactggcna taaaatccgg tacaactcac gggagacgac	180
attggagaag aaccaagctg ggtctatang aagcaggctg ggtctatgag aagtggncctt	240
aacatgcaaa ccactttttt aagnagccnn attacaatga anacatcact actgtaatgc	300
ttgnnccatg atgtnanttg ctnantatca gactgagacc cancnataaa tatanancgt	360
tgnaaaaana aaaaaaana cctggggggg ggannatgcc ctnatttacc nctggcatgc	420
agtatttctg gactctgtct ctaaggtggt cctgnagaac anggatntcc acgttgactt	480

gtnccttgngg ccgggntgnc gncctgcang taggcctttn gnatctngnt naccttngtg	540
actaagagan caagaattnt catttngcgt tattnggacc ctttntaanc tatttaaagc	600
tnnttgggat aannaatcct caattttttn aaanttggnc cagntnntnt ncaatgggtca	660
gggaatcntt tcnntngtng ctggaannac tttcttttna atgggngnta anaaagttna	720
ngcnantggn ntcnnttttc ananttnang tnnananncc tngtctatct tntnttttcc	780
ccgtccctgg tncngtctan ccccnnttg ccttccttna tgtctggnaa anacctagan	840
tttcnctttt ttataaaatc ttactngcct ttttttggg ggttnccntt cgtantnaan	900
ctcttgttct gggnnctntc tnnaccnna nncacacacn naattctngt gccttttttt	960
ntctgtgnat nntnngtant tttcntccat ntnccnaga tatctnnnag ncttanntan	1020
gtgtttcc	1028

<210> 1267
 <211> 1002
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1002)
 <223> n is a, c, g, or t

<400> 1267	
gcctatnngg agnngcatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcg gcacgagggc tgacaatgac atcggagctg tctcaacgac agggcacggt	120
gagagcatcc tgaaggtgaa tctggccaga ctgcgctct tccacgttga acagggaaaa	180
tcactagaag aagctgccaa cgcactactg ggtcatatga agtcaaaggt caagggcgta	240
ggtggtatca tcatggtcaa caaagcagga gagtggcgcg tgaagtggac ctccacatcc	300
atgccctggg cagcggcaaa ggatggcaag ctgcactcgg gaattgactt cggcgacacg	360
agcatcattg acctgtccta aacccccaga agctgtattc tagaaactag cttggagggtg	420
acgcacggtc tcttggcgtg gagacttagc ttcacatcaatt agatctagaa atagaaaaat	480
tctgcagcct gtcactcgtt ttgttgcctt gatcagtgtc tgggtggggg cgggttccaa	540
agtgtgtgag aaatgccccat gttaagataa aaataagacc agtgaagatg accaactcca	600
cggagcctcc cttatgaata gtccccattg tctgagatta gaaagaagaa acagcaagat	660
cttaacagta aagaaagggc ctcgatgcag ggaacggttt tggagttggg ggacctacag	720

cagtaacaga agcttgtagg ttcaagggtg ttgggggggtt cggaagaaaa aggctctggg	780
gcangacca gtgcanggca caacaaggca ggaaggaccn agtgggacnc ggtgaaaggg	840
gacncggcan ncagaagtta atgggaacac tggatggtgc anaactcatt tcanagtccg	900
gaagaacntt tggccaaaag aaaccnnaaa aaactnggtt tgnttaaaaa agngaaaant	960
tnntttgact taccaanaca aacngttttc caaaagcttg ga	1002

<210> 1268
 <211> 1018
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1018)
 <223> n is a, c, g, or t

<400> 1268	
ttnnncannn ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggat nttgtngaag atgagcgggt ggcagcgaca gagccaaaat caaagccgga	120
acctgaggag agagtgttcc agaaggaagt gtntcttct acntcaccac acctgaaagc	180
anagcctgat ccagccacag agatggcagc tgagtcaactg ccttttcctt cggggcactg	240
tccagctggn agctggaagc ctggtatgag gacctgcagg aggtgctgtc ctcaaataaa	300
aatcggggga cctgtgtttc accccctgga aacanggagg aagaatcaaa aagcttcacc	360
actcttgacc ccgcctctnt ggcttggnnt actgaggagc cnggaccacc agaggtcaca	420
cacacctccc agagcctntg ctctccagag tccagtcaga nctcnctgnc tcaggaggaa	480
naagaggaan accngggaag acccagaacc ggacacagag nggccagtcc ccatctcggn	540
ctggcaagcn ncgcatgaag gaaaaagaac aagaanatga gaggantgtg gcncagcttg	600
ctgaagaaaa tgaaccactt caacangaaa tcgagcccct gaccaaggaa agtggaggcn	660
ctcgccgact tttaatgacc ggatggttaa tctgccccca gcattgaacc ggttgggacc	720
catctctttc attttcaggc cactttctga ncctttggtg ggaagttttt actggccncc	780
gtnncccn gn gccaannnc ntacccaac ccttnttttt tntttagggn nggggaaaaa	840
accttagggt ncaaaaaaaaa aaaaaaaggn ccctaacgng ntnatttaan annggccctt	900
tttttttttt tttggcccct ttncnnnna agngngnttt tntnaaaaaa aaaaaaaaaa	960
aaaaaaaaana agngggggggg ggggggcccc ccttncccn ntttncccn tttnnnt	1018

<210> 1269
<211> 953
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(953)
<223> n is a, c, g, or t

<400> 1269
caaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggtgctata gtgtaaattg aaaaaagaat aggtaatttg ctttgtacac acacaaaaat 120
gtaatgatgg tgctaatttc ctggtaaaaa taagcactgc caaggggtga aggactgggtg 180
acttgagaaa cctanaatcc tgtttgggag gaaganatct catgtcttaa tttcctcgag 240
gttctgntag ganaaggnag agccttggtg agtcctgcac ccgaccctgg ggngatccnn 300
tgcnntccaa aagcngaata cncnctnngn gcnnangaag gaattctttg antttctnaa 360
ggctggtgnt acctgncca cancctncgt ccacactggc tgaacaggnt ggtanaaanc 420
nccangngng gganctncct tanatacctt ntgccccact nccttttnac tnttctggga 480
ncacctctat tggttatgaa gactaaggat attatttctt aaggaagtgg aaagagttta 540
ttttaattaa aaatccacag cctgggcaga aacatttcct atcaacataa gcccaaaata 600
gcacatgtgg ncccttttct atagntactt tcctgtgact ctcaaaacat nangctcttt 660
ntnggcttna ngnntaacac ntttggaaat ccccccaaac ctttntcaga tannaagggtg 720
agcccccggg gcacgaagcn ccaaaatgat tgggggtctgg gggcttntaa acaccncann 780
ggnggggggca gnaaaaaanaa ggcngnnntc cannannntn aaaanncccc gcctgcccc 840
tgtggccctn ttaggnggaa aaaagttgaa aaaanngggc gaantngccn ccncnccan 900
gaagcctcct tggaanaaac aacnttttn ttaanncntt ggnnnnaaaa aaa 953

<210> 1270
<211> 993
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(993)
<223> n is a, c, g, or t

<400> 1270
naannctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60


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aggatttccg gcacggggtc caattanagt aacactggcc aacttttgaa atgtntgnca 120
gccncggnt tctcttgggg gntttttaat taccncctt ggggtcttnc nggtgnangn 180
nnggtnaagg nccnggnctt ttaanggnnc ancnttnatn acccggnng naaaanccga 240
anncnaaaaa gnagnagnag nagnagttaa acncttnat ntntttngaa agcnntctng 300
ccctngnann ggnngnnagg gtncccnaaa aaaagngaan cntggtngtn gtnnacatta 360
aaattannnt naccantacc attannatga ntattanata ttanatatta nanacacant 420
ttngataga gagaanttaa canaaaagct ccccgataa ganaatntng tgctcagata 480
ctctccanca caaatgctc acnnaatcnc gccnnaatgt ggaagantct caacccngt 540
gcacccaat anaaaggnga cganatntnt ttaaaacang agaaancacc ccgaacacnn 600
ntanganna tntctgtgt aanacatttn agcacaatg cngcgcnct ntataaaang 660
gtgtnttctt tccccccagt ggtgggcccc cgnntntcat ttttnttga agaaaaattt 720
tccgnattga ctagaccaag aaggctnctt ntnaantntt ttnttangtt gggaggaaag 780
actntttttt taaaaataa ctttaaanc agctttnttt aaaaaaant ttccgcnta 840
tttntttttt ttttaacaac aaganaaacn ngcctggccc ttntttttta ttgcaggagg 900
ggggnactnt tccctnccc cnttggttn nangttggtt ccacntttc ttttgttca 960
anaaantttt tntccaann tggcctnttt tan 993

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<210> 1271
<211> 993
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(993)
<223> n is a, c, g, or t

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<400> 1271
naannctgga gctccaccgc ggtggcggcc gctctagaac tagtgatcc cccgggctgc 60
aggatttccg gcacggggtc caattanagt aacactggcc aacttttgaa atgtntgnca 120
gccncggnt tctcttgggg gntttttaat taccncctt ggggtcttnc nggtgnangn 180
nnggtnaagg nccnggnctt ttaanggnnc ancnttnatn acccggnng naaaanccga 240
anncnaaaaa gnagnagnag nagnagttaa acncttnat ntntttngaa agcnntctng 300
ccctngnann ggnngnnagg gtncccnaaa aaaagngaan cntggtngtn gtnnacatta 360
aaattannnt naccantacc attannatga ntattanata ttanatatta nanacacant 420

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ttnggataga gagaanttaa canaaaagct ccccgataa ganaatntng tgctcagata	480
ctctccanca caaaatgcgc acnnaatcnc gccnaatgt ggaagantct caacccngt	540
gcacccaat anaaaggnga cganatntnt ttaaaacang agaaancacc ccgaacacnn	600
ntangannta tntctgttgt aanacatttn agcacaaatg cngcgcnont ntataaaang	660
gtgtnttcct tccccccagt ggtgggcccc cgnntntcat ttttnttga agaaaaattt	720
tccgnattga ctagaccaag aaggctnctt ntnaantntt ttnttangtt gggaggaaag	780
actntttttt taaaaaataa ctttaaanc cagcttnttt aaaaaaant ttccgcnta	840
tttntttttt ttttaacaac aaganaaacn ngcctggccc ttntttttta ttgcaggagg	900
ggggnactnt tcccttnccc ccnttgggtt nangttggtn ccacntttc tttttgttca	960
anaaantttt tntcccaann tggcctnttt tan	993

<210> 1272
 <211> 995
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(995)
 <223> n is a, c, g, or t

<400> 1272	
ttnanaaann ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggaa ttcggcacga ggctcgtgng agtgacntcg nntntaaacc ctgcgtggca	120
atccctgaen caccgccgtg atgccaggg aagacagggc gacctggaag tccaactact	180
tccttaagat catccaactt ctggatgatt atccaaaatg cttcattgtg ggagcagaca	240
acgtgggctc caagcagatg cagcagatcc gcatgtccct ccgcgggaag gctgtggtgc	300
tgatgggcaa naacacgatg atgcgcaagg ccatccgagg gcatctggaa aacaacccgg	360
ctctggagaa actgttgctt cacatccggg ggaatgtggg cttcgtgttc accanggagg	420
acctcactga tatcagggac attgctgctg gccacaagg tgccagctgc cggccgtgct	480
ggngccatan cgccgtgtga agtcccttnn gncaacacag aacacttggg ntgggggnccc	540
gaaaanacct tctttttccc nggttttngg cantaccacn aaaaatcttc angggcccc	600
attgaaatcc tgagtgatgt gcagctgatt aagacaggag acaannnnnn nnnnccnnnn	660
naanccccnc ttgntgaaca atgctgaaaa atttncccc tttttctttg gggcttggn	720

attccancan ggggtttgga aaatgggnan nattttacaa nccctgaaag ngctttgaca 780
 ttaccaaagg aaaactnttg nantttcccc ntttcttggg angggcgtnc cncaaagtgt 840
 tncccagcgn ggngnccttg caaaattggg ttaçcccaaa cccggnggna tttttggncc 900
 ccccnttttt nttaattnaa nggggncca aacccccgnc ccngggtttt ttgntngggg 960
 gnnaactgat taacnccctt tnccctttg ggtgn 995

<210> 1273
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1273
 nncaaanctg gagctccccg cggtaggggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggat acttcttttt ttgaaaaat aattgactct ttataaagt 120
 atcttttaaa ttaataatgt gcataagttt gaacagagaa aacatttaat taaaaatgat 180
 actgcatctt ctaaaagggt ttttcagata catttatagt atatcaaggg gcttcctcac 240
 tggctcagcg gtaaagaatc cacctgcaat gcaggagaca tagaagactc aagttcaatc 300
 ccagggttgg aaagatcccc tggagtagga agtnccact cttgacaggt tcctctcttc 360
 catggacaga ggagcttggc gggcagcagt tcatagggtt gcagagagtc agacacaact 420
 gagcaggacc acgagcatag tatattaaac atgctttggc tcatcaacaa cccatggcca 480
 gtatggtagg ccaactctga tttacaggaa gatatcaaac tttcggcaca aaagcttttt 540
 acagtcttta agnggttttc attttcatgt aaaaaataag tngcatttga tagtttatat 600
 tgggggcttt tganccttan cttgctggag ttgaaatta tttcctgact cataagnata 660
 atctctntta atattaanct attattgctt gaanaaccaa ggttacaggt cttttctcaa 720
 tttcttnac cttnggtnaa ccnccaaaa nggganccag gggattttga anggaaaaaa 780
 ggaancnctt gttctggttt tgggttaaac cntttttttt gggagttggt tgcnttaant 840
 tgccggcaag nccccngggg gcnttacctt taanggggan ccctttggnc ccccanccc 900
 aaaaaggaat gggnaangag ngntccctgg aaaaataaat taaaannann nccccn 956

<210> 1274
 <211> 1043
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1043)
 <223> n is a, c, g, or t

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<400> 1274
ttnaaanncn atctggagct ccaccncggt ggcggccgct ctagaactag tggatcccc 60
gggctgcagg aaaaaaaaaa aaaaaaat tggggggggg nccggnccc nattttncct 120
gtggggggag naatntanaa gcggtncctn nntcctgntc catgntntna anaacnntcn 180
ngtcccnttg cctgnacagg aggaaccctt gnnatatncn caccctcctt tgtctgntta 240
agcattannc tgctaataga gcggnctgac ctgttnatcn agngatacat cctcgcggtc 300
agggattctt ggngctgggt taacgnncct gactgnntat tgctgntgaa nctgcactac 360
natctnnagn atcaatanan cnttnttggt actttccacg cttnctgggg gnnantgggc 420
cnttctcntg cctgtaccnc ctagggnnng taanaacata aananttana tnntttccct 480
tgtggcctta ctttccataa ttttccnggn ccncccttgg nttgntttgn ttcccttcat 540
antggccttt ngngctccct ttccanncna gngnaaaaga aggccncgnt gnttaanaaa 600
tgaccctttt tnttccggcc anttttancc ngggggaaag gnantccncn ccnnnaccg 660
gggnaacntn ttttttccca antaannnta aagntnnngg gnaggtttcc ccccttccgg 720
tnggncccga aataaaaggg ggttntttcc aancccangg naaccaanc tngttgtnc 780
tttctnggn cccccctga nngactngct taaaaangcn ncntntntt ttcccccccc 840
cccccccccc cccccccct ggggaaatna nntccccccc ccccccccc ccccnntt 900
ccnaancntt tctttttana aanaaagggn ggnagccntt ttccctttaa ttttcccc 960
ctntggacan cnnaaaaggg ttttttctct ttcccccccc tttnttttt ttttttngga 1020
anccccnnc tnngggttcc cct 1043

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<210> 1275
<211> 944
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(944)
<223> n is a, c, g, or t

<400> 1275
ttnngcctat nnggagnngn atnncagngg cggccgctct agaactaagt ggatcccccg      60
ggctgcagga attcggcacg aggctcgtgt gagtgcacatc gtctttaaac cctgcgtggc      120
aatccctgac gcaccgccgt gatgcccagg gaagacaggg cgacctggaa gtccaactac      180
ttccttaaga tcatccaact tctggatgat tatccaaaat gcttcattgt gggagcagac      240
aacgtgggct ccaagcagat gcagcagatc cgcattgtccc tncgcgggaa ggctgtgggtg      300
ctgatgggca agaacacgat gatgcgcaag gccatccgag ggcatctgga aaacaacccg      360
gctctggaga aactgttgcc tcacatccgg gggaatgtgg gcttcgtggtt caccaaggag      420
gacctcactg agatcaggga catgctgctg gccacaagg tgccagctgc cggccgtgct      480
ggtgccatag cgccgtgtga agtcactgtg ccagcacaga aactgggtct ggggcccagag      540
aagaccttct tcttncaggc tttaggcatc accacgaaga tcttcagggg cacaaattga      600
aatcctgagt gatgtgcagc tgattaagac aggagacaaa gtaggcgcca gccgaagcca      660
cgcttgntga acattgctga acattttccc ctttttcntt nggctggnca ttccacaagg      720
nggtttgaaa aatggcagca ntntacaacc ctgaanngct tnnctnnnn aaangaaan      780
nntttgnatt tccccctttc ttggnggggc gtnccccaat ggnttncna ccgggggnc      840
cttccaaaat tgggttancc ctaaacccgn ggggattttg ggncccccatt tttttttat      900
tnaaangggg gnccaaaagc cccgttncctt gggntttttn tttt                        944

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<210> 1276
<211> 992
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(992)
<223> n is a, c, g, or t

<400> 1276
gcctactgga gctncaccgc ngtggcggcc gctctagaac tagtggatcc cccgggctgc      60

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aggcacacgc caggagcgct gggctccagc cttctcacgc aggtggcttc tcaaggagct	120
accaccgtgt gtgagctcca gagtaggtgc agatgttttc atcacatctt ccacgttggt	180
gacactgtct taccttctca agttcccca gttcccgaga gctttctcct ctgctatgca	240
ttttgtcttc acagcgcagc ttgcagtccc ttgctaaaga tgattataag ctctgcatag	300
tgtaagctt tattgtggtt atgtgtatgt ttcttcttcc tttgttaagc agaccacac	360
ctttccaggt caaagtacag gatagagtgc tatccttcat ctttaccatt tcttttactc	420
cgtttaaaga cttcagaagt ctaatccaga gttgagccaa ttcagaattg actgtaattg	480
aacacaggct aaaagtattt atggggggag tgacttttag catgagtttt ctgatttttg	540
tagctgctaa ccttttaaat ctttatttgc agttcatgta acagttgtct taaattacat	600
gataaagcag tcctgttcaa tttttttttt aatgtggctt gtagaatttt taataaatga	660
gcttangtct gttttttcat gtggaatgca gatgggtgct atcaaagcct ctccccatc	720
actatagngt aataatatta ttacacccca ctgaaatgga ttcaaaacta anattttttt	780
tatngttaac ctttattggt tctttcaaaa gnggtggcaa atgtaccgan tggaaacctg	840
gttcttggn c tggaatatat aaacccttc caaanggggt ntttttgggg gagaaaatgg	900
ggggggagat ttttcntaaa anaaagaagg cnggatcngg tnatcntcna ntttttactt	960
ggtcccttaa atnttttttg ggggggatnc ct	992

<210> 1277
 <211> 1064
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1064)
 <223> n is a, c, g, or t

<400> 1277	
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gggcttnag ganttnngnt cgaggctttt attgagacca cccaaggacc ccaggggacc	120
cacacctggt gtnacggtat ccgtggttct cagccccana atggtgggct tgntttccca	180
gccccctgct gtccccacca agggacaggc cntctctgt gccctgcctg ggatggagga	240
ctcgatcatn aaatacnacc tcctttaaac atccanccct agtcntcccc ancccagagc	300
ctgagggtca tttganagga agtgaaagt gcntgcntca atggacagna ctcanaaanc	360
ccttttataa aggatatit aatcngngc cccagcttng tggcngggtt canttttctg	420

gccaggntaa agtntggctg ggcctacnct gccntgacat ctctctgact gttaccacac 480
gagctgagtg cagtgganna atgcggcctc ttttntgcc aggagngcaa aagtgccaaag 540
cngttgttcn acacacnann anatnncgtn ttncanantg tngnaccacc naccaactat 600
gacataacga cntctgtaat ntntntaaaa aaaatatatt ttggngctg tcttgaaaaa 660
aaaaaaaaa aaaanntcnt nngggggggg nncncnacc tcnttaattc tgcttttnna 720
gngggnantt atntnaaaaa tntntctttn tnaccanttt ttancannn gtttcnttnn 780
cntnngtgtn atttntntnt nnnacnnacc nacntnncan aattnnngcg tttccancct 840
ctcntnnntc cntcnntncn tgntnntnt tatttcngaa catantcatn ttcttccttc 900
ncttcnnnca taacntntnt ncnncnnntt ncttnttatt ctnnttacan tcctnaanca 960
aannnantan aatttatntg nnaangntcc ctatntnttn nntantacnt ntcanattcc 1020
acnttattan atcatnattt ntctcttccc tcananncct nccc 1064

<210> 1278
<211> 961
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(961)
<223> n is a, c, g, or t

<400> 1278
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caggaattcg gcacgaggcc ctcatctccg gaccacactc aggttcctgt tctttggtgc 120
cgagtccagg ggateccact ctgtctcatc cgtggcctct gctggctctg ccagaggcc 180
agcactcagg agactcctgc aggggttgca cctggcccag ggcacctgca ttgcagatt 240
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attcacctna cgctgganct ntganctcac aacttgctt cccgcccgcc tccccctncc 360
cagcgtttga ccccgaaagc cctctgaggc aganaacaga aatgccagan caccgcctt 420
tttatggggc actcttcana aagtctctga ggccctgaaa agaagaacta cntnatggaa 480
accattttgc ancctncanc acgggcattt atctnaataa tcatttcatt taaaatgtgg 540
gtcaaacata taaatcatat cttgaaagaa agnatitttg tgccacagaa atcgccctgt 600
gttcttacca cctaatttga aaaatgtgtt ttgaagtcan gaaagaaagc caaacaagcc 660

tgnngcctgg ggtgtttttt ccccatatgc ncccttttct tttcnttgtgt ngccccaaaa	720
nnanntcccc cgctcctgng ccaaaagggn gcgggggagn nccncacccc tgaagntagg	780
ncacctcttc tgcgnatntt aaaanctccc ctccctttnc anaanaaagg gggttgggga	840
aaccccgaag ggnngccggc ntccctcaacc tgggtgcctca ttaccctngg gnccccnncc	900
gacccccctgg ngacaagngg tttcanttan naacccccnt ntttttngcc cttaaaagcc	960
c	961

<210> 1279
 <211> 1345
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1345)
 <223> n is a, c, g, or t

<400> 1279	
nnncnnnnn nnnacnnnc cttnttant nnnntnnntn nncctctcnc ntannntcc	60
ctcanttcc tnnntnctt ntntntnann gnntngnat nagtngctaa tatcnctttt	120
gagnannct ggagctccac gcggtggcgg ccgctctana actagtggat cccccgggct	180
gcaggaattn cggcacgngg ttcaattaaa gtaacnctgg caactttgaa aangngtgta	240
cagccaacgg nttctcttgn gggctttnnn aatnacacca cctgtggtct tacnggntga	300
agtgtggttc acggcctgtg catntcatng gaccagcact tantanccgt gnangaagat	360
gcagagtcnn aanaggagga ggatnganga ngtgaaactc ctgagaatat ttggaaaagct	420
gttcttgccc ctgnanatng gntgcaaggt tccccacaaa taaantgaat cttgcttgnt	480
tgatgaaana tnaagatnat gattgacnat gacnattgat tgnatgatga tcanananga	540
nntatgattg accgattnct tgattgannn aanncnttna gantaaatnt ttncangtnn	600
aaagaaaactc tgtacccaga atacntccta nncnaaaaat ngcaccannt natcngtttt	660
natanaatnn nagtnnacct caaaantact cggtnnannc ncccanttna ttcnaaaaag	720
ggntcncnta anttcccttt ccantaaann tccnngggaa caataaacnn cccggnannt	780
nccaccttna aaagnnacc ttancctcct ggnntcann nacntttnaa cagngcanna	840
taagnttggc cnngcccatn ggtnattnca aaaacntana gggnggggtt ttnccttttt	900
ccccaaaant nnnnttnant ccncaanntn ntnttcgna ntccattggn nntaatnaaa	960
tntggnntnn ccggnantng acctggnacc canggggaann ggcnaattnn anaataanch	1020

ttctaggcnn aatnggnaaa gnaaanaccc ttctttttaa caataaatat tctcttttnna	1080
accagcnttc nggnaacaaa naanatcttn ccantttctta nattncaaat tntactnnnn	1140
aanccgannt cngnantnta ctccncanng ngnncnatatt ntgtcatnac gaccggcgta	1200
gggagtgcnc taaatattnn ttctctcgtn acaccccgtn nntagtgaaa taantanngt	1260
agtcggnncc acacgatcta nctctntnng ctctntnta aanantntgt ggtctnactg	1320
tnctnaacaa ncnagggtnt gntcg	1345

<210> 1280
 <211> 1345
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1345)
 <223> n is a, c, g, or t

<400> 1280	
nnncnnnncn nnnacnnnnc cttnnttant nnnntnnntn nncctctcnc ntannnnntcc	60
ctcanttcct tnnntnctt ntntntnann gnntngnnat nagtngctaa tatcnccttt	120
gagnannnct ggagctccac gcggtggcgg ccgctctana actagtggat cccccgggct	180
gcaggaattn cggcacgngg ttcaattaaa gtaacnctgg caactttgaa aangngtgta	240
cagccaacgg nttctcttgn gggcttttnn aatnacacca cctgtgggtct tacnggntga	300
agtgtgggtc acggcctgtg catntcatng gaccagcact tantanccgt gnangaagat	360
gcagagtcnn aanaggagga ggatnganga ngtgaaactc ctgagaatat ttggaaaagct	420
gttcttgccc ctgnanatng gntgcaaggt tccccacaaa taaantgaat cttgcttgnt	480
tgatgaaana tnaagatnat gattgacnat gacnattgat tgnatgatga tcanananga	540
nntatgattg accgattnct tgattgannn aanncnttna gantaaatnt ttncangtnn	600
aaagaaaactc tgtaccacaga atacntccta ncnaaaaaat ngcaccannt natcngtttt	660
natanaatnn nagtnnacct caaaantact cggtnnannc ncccanttna ttcnaaaaag	720
ggntcncnta anttcccttt ccantaaann tccnngggaa caataaacnn cccggnannt	780
nccaccttna aaagnnaccc ttancctcct ggnnttcann nacntttnaa cagngcanna	840
taagnttggc cnngcccatn ggtnattnca aaaacntana gggnggggtt ttnccttttt	900
ccccaaaant nnnnttnant ccncaanntn ntnttctgna ntccattggn nntaatnaaa	960

tntggnttnn ccggnantng acctggnacc cangggaann ggcnaattnn anaataancn	1020
ttctaggcnn aatnggnaaa gnaaanaccc ttctttttaa caataaatat tctcttttna	1080
accagcnttc nggnaacaaa naanatcttn ccanttctta nattncaaat tntactnnnn	1140
aanccgannt cngnantnta ctccncanng ngnnncnattt ntgtcatnac gaccggcgta	1200
gggagtgenc taaatattnn tttcctcgtn acaccccgtn nntagtgaaa taantanngt	1260
agtcggnncc acacgatcta nctctntnng ctctntnta aanantntgt ggtctnactg	1320
tinctnaaca ncnagggtnt gntcg	1345

<210> 1281
 <211> 967
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(967)
 <223> n is a, c, g, or t

<400> 1281	
tnnncaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg	60
ctgcaggaat tcggcacgag ggcgagacga gcgaggcagg aacgtggacg tcgggtctct	120
cgtttgcacc gcgaagacac ctctnctgca angatggtca ncgtnccata anccccgagg	180
actttntgta anangngtgg aangcntcan cctcncaang ngacccagtn taanangggc	240
aaanattccn tgtntgccca gggaaagagg cnctntgatc ggaancaaag nggntncggn	300
ggncaancca anccantttt ccggangaag gntaaancca ccaanaagat cgtgctgana	360
cttgattgag ttgagcccac ctgcanatcc aanaggatgc tggccattaa naggngcagg	420
ctttttgaac ttggaggana taanaagaga angggccaag ggatccagtt ctaagctttg	480
gaatcctttg gtncttangt ttgganaana aaatgttgaa gttacaaaaa aaattgcctg	540
aatganaata aatnccgcga ttttcctact tnnnnnnnaa aaaaaaaaaa aaccttnggg	600
ggggggcccg ggcccccaatt tncccntata gggngnnnnn tnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960

nnnnnnnn

967

<210> 1282
<211> 951
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, c, g, or t

<400> 1282
tnnnacaaag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcggcacgag ggtccttctg gccccgctgg caaagacggt cgnattggac 120
agcctggtgc agttggacct gctggcattc gtggctctca gggtagccaa ggtcctgctg 180
gccctcctgg tccccctggc cctcctggac ctcttgggcc aagtgggtgg ggttacgagt 240
ttggttttga tggagacttc tacagggctg accagcctcg ctcaccaact tctctcagac 300
ccaaggatta tgaagttgat gctactctga aatctctcaa caaccagatt gagacccttc 360
ttactccaga aggctctagg aagaaccag ctgcacatg ccgagacttg agactcagcc 420
accagaatg gagcagtgg tactactgga ttgaccctaa ccaaggatgt actatggatg 480
ctatcaaagt atactgtgat ttctctactg gcgaaacctg catccggctc aacctgaaga 540
catcccagtc aagaactgg acagaaattc caaggccaan aacatgtctt gggtangaaa 600
aactatcaac ggnggtaccc antttgaata taangttgaa ggantaccnc caaggaaang 660
gctacncact ttgcctttat gcgtntgctg ggcaaccatg ccttttnaaa cagnnccttt 720
ccaattgcan naaccnnngt tgnanccctn gaangaagga aactggcaac ctggaaaaag 780
gntggcattt ttgcaaggga tcccatggat gtccaaactt tgtggcccn gggccaacca 840
gcanaattnc cnttaccctg gttnttgga aaaggggtgg ctttnaaaaa naaaaaatgg 900
aatgggccaa aaaaaaatt tttnnnttt tnaaccnnnc cnngnccct t 951

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<210> 1283
<211> 987
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(987)
<223> n is a, c, g, or t

<400> 1283
ttnannaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcaggc tttgctgagg gtcacattga gctcccagcg acttcagggg catcttttagg      120
agtcagcact atggcagaag acatccaggc caaaatcaag aactaccaga ctgctccttt      180
tgacagccgc ttccccaacc agaaccagac caggaactgc tggcagaact acctggactt      240
ccaccgctgt gagaaggcaa tgaccgctaa aggaggtgat gtctccgtgt gtgaatggta      300
ccggcgctgtg tacaagtccc tctgccccat atcctgggtg tcaacttggg acgatcgccg      360
ggcagaaggc acgtttcctg ggaagatctg aactggctcc atcccacctc ttctgtcctc      420
cgtcctttctc cccagggtgg tgaaggggga ccggggtaca tggatgatccc caccctggga      480
tcttgactca tgggtataact aataataaat gctcgttgga aacgtgaaaa aaaaaaaaaa      540
aaaaaanttn gggggggccn ggcccncaaa ttccccttnt nngggggtgg ttttaannnnn      600
natngnnnnc ncnnngnccn nnggnncnct tnnntcntac tanantngnn nnnnnnnnnn      660
gntnnnnctn angnnnnngn nnnattnnnn tttttnnnnn nnnnnnnnnn nnnnnnnnnn      720
nnnnngnnnn nnnntttnnn nnnncnnanan nntnggnnnn naaannnnnn nntnggnnac      780
ttggnnttnc nntnnnnnnn nannnnntnn nnnntttgcc caatanaaaa gccntttann      840
nccnaaacc nngnnnnnttt nccnttgntt ttnnnnnaaa nnnnnaantt nnnnnnnncc      900
ngggggnnnn gnnnaantnn ttnnnnnnnc nnnnnnnncn nnnnnnnnnn naaaannnnn      960
naancggggn cccnnnnnng gnnnnnc                                     987

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<210> 1284
 <211> 960
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(960)
 <223> n is a, c, g, or t

<400> 1284
 ttnnanccta tntggagctn cannnncngtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg aggaatanng agagtgcagc tggcataagc tgacccanga 120
 gngccacana acgaatgctc ctgccttccc atggagactg catgacctca tgtntgtgga 180
 gcgcattagg gtccttgagt aaaanggaaa aaaaaaaaaa aggttcctgn tgctctnatt 240
 tntanntacn cngtnnactn nngtgggnaa accanganntn nntngccngc ttntttcnng 300
 agtgngtttt ttgttgntcn acaaaancng gangntatnn gcttncnca naantngnnn 360
 nnaanggaan actatncttg ncctattata cctncantga aacngngacg gtgnaantna 420
 tnccttttagg nntnnactac acaaacttgc cnaannatnn cctnctctga naaaggagga 480
 attccncngg gatgntggan gnancgnang ntggccaccc cacantattt nngantacgn 540
 ttntnatgng tcnttcnttg gtctnggaat ntntcncnnc cnccaattnt gtngacacan 600
 nnccatttcn atgtntntcn gtccttttcc ctgcnctnnt ttgggtgagg ggnttcttta 660
 angggggccc tntgcggngg gagcnccttc nccccccccc cttggacaaa ctttttttaa 720
 aaanggcag gnggggcctt tnttnttttn ccttttnacc cnggggggna attnnggntg 780
 gtttttccng accnttnacc nngggnnnnnt ttgnanaacc nccccccccc cataggaggg 840
 anaaaaanccn tttccntttt cccanccctg gngaaaaatt tttttgggcc cttttngggn 900
 cccaaaaatt ccctttaaac caaaagtgtg tttttggnaa acccttgana ttgccctttg 960

<210> 1285
 <211> 1011
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1011)
 <223> n is a, c, g, or t

<400> 1285
 ncnnnatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60

gcagggtgaca atgatcttat aatattcttg acccttttta tcatctttca actaaaagtt	120
tcaaaacaca acttttatca caatccagaa ctgacaccaa caaaaatatt aaaacaaaac	180
acccttgag aaacaaaatg aacgaaaatt tatttacctc ttttattacc cctgtaattt	240
taggtctccc tctcgtaacc cttatcgtac tattcccaag cctactattc ccaacatcaa	300
accgactagt aagcaatcgc tttgtaaccc tccaacaatg aatacttcaa cttgtatcaa	360
aacaaataat gagtatccac aattctaaag gacaaacatg aacattaata ttaatatctc	420
tgatcctatt tattggatca acaaacctac taggcctatt accccattca ttcacaccaa	480
caacacaact atcaataaac ctaggcatag ccatccccct gtgagcagga gccgtaatta	540
caggattccg caataaaaact aaagcatcac ttgccattt cttaccacaa ggaacaccca	600
ctccactaat cccaatacta gtaattattg aaactatcag cttttttatt caacctatag	660
ccctcgccgt gcggttaaca gctaacatca ctgcaggac acctattaat tcacctaatc	720
ggagggagct acacttgac taataagcat tagcacttac aacaggctct aattacattc	780
accattctaa tcctactaac aattctagaa gtttgagta gctataatcc caagcctatg	840
tattcctctt ctaagtcagg cctatatctg natggacaac ccataatgg ccncacccaa	900
actcatggct tatcatatag taaaacccca agccccttga cctttttaaa nggagctttg	960
ncttggccct ttttaanaac atccgggcct taaccattgg gaanttcacc t	1011

<210> 1286
 <211> 996
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(996)
 <223> n is a, c, g, or t

<400> 1286	
ncnatttgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggaanttcg gcncgaggtt ccagatggcc cgaagtccac aggcagattc agaatcagct	120
ggaagaaatg ctgaagtctt ttcacaacga gctgctcaca cagctggagc agaagggtgga	180
gctggactcc aggtacctga gtgctgccct gaagaaatac cagacggagc agaggagcaa	240
aggtgacgcg ctggacaagt gccaaactga gctgaagaaa ctccgcaaaa agagccaagg	300
gagcaaaaac cccagaagt actcggacaa ggagctgcag tacatcgatg ccatcggcaa	360
caagcagggt gagctggaga gctacgtgtc cgacggctac aagaccgcc tcaccgagga	420

gaggcggagg ttctgcttcc tgggtggagaa gcagtgtgcc gtggccaana actccgccgt 480
 ctaccactcc aagggcaagg agctgctggc gcaaaagctg ccgctatggc agcaggcctg 540
 tgcccgaccc caacaagatc cccgaccgcg ccgtgcanct tgatgcagca gatgggcaac 600
 agtaacggct ccatcctccc agcgggtcttt cggccttcca agtccaacct ggtcatctca 660
 gaccccattc cagggggccaa agcccctgcc ggtgcccctt gaacttggcc cnatttgtgg 720
 gggcggntgt ctgnccaaga aaaaccccc ccttattgaa tgggggtttc ggncccaaca 780
 ggggangact taccaccctt tgggcttgac ccgnagggcc ccccccanc aaattccant 840
 tcccccccg ntttttnaaa aacangnttg ggcntttttn ttttnnaana ttntttcngg 900
 gnannaaaa nngggcccn aaaaaaant tccccccna ttgaaaaaa aaanctttct 960
 ttnttnaact tcatgggccc cggccggaac ncaact 996

<210> 1287
 <211> 965
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, c, g, or t

<400> 1287
 nnanantgg agtccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggcttctg tggaanaana aagctttggc ccacaacctt tttcccgact agancantgn 120
 ggnatnnatg ccantgatgn gaagaaatng gaagaantg gatttcatac tgtanaggct 180
 gntgcctatg caccnaaaaa nganctacnn aatattaagg ggatnagtna ncccnagct 240
 gatacaattc tnaactgaggc agctaaatta gtnccnatgg gtttnaccac tgcnaactgag 300
 ttncccaaaa ggcgatctga gatcatacag attactactg gctccaaana acttgacana 360
 ctgcttcaag gangaattga gactggatcc atnacanaga tgtttgaga attncgaact 420
 gggaagaccc anatctgtca tacattggct ggnacangcc aactcnccat tgaccgacgt 480
 ggaggtgaag gaaaggccac tgtgcattgn caccnaaggc acctttaggc ctgaacggct 540
 gctatcagtg gctgagagat atggcctctc tggcagagan gtccnngata atgnatcata 600
 tgcccgangg ntctcacaga ccaccngacc cagctccttt atcnngtnnn ctgcnanna 660
 nggggtgagt gncagggtat tgcacctggt taattttagt anaggngcca ctgnacctct 720

anagaaacgn gactnttttn ggttncangt gaannttttn aaccanggc atattccact	780
tttggtcggg tnttcttgta ggattgcctn ttingcgaac ttgggnnggt naaatttngg	840
ngggnnncaa ggngngnatc cccccacccc cnggggngng nccccagagg nntgngngca	900
agccctngtt tgncttcng antncnaaaa aaaacccttt ttinggggaa antattaatt	960
tgttc	965

<210> 1288
 <211> 1598
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1598)
 <223> n is a, c, g, or t

<400> 1288	
nannncgang nnnnnanntn nnatanattn nananannan nntntnnnnc nanccnnccn	60
tctntctntn natatggat tcttangan ctcnatatng gagngnggan cgaggnaaca	120
tctctntttg agnccctnag ngagtngnat tacagtngnn ntnccttctna aaactagcgg	180
atcccacang ngntggntag gatacacccn cangaggccc tnnntgnccc tttnagcacg	240
gtctnggggc cgnggggcat cnggggnaca cagacngggg ggacntctat agctnacngc	300
aanantatnn tnttagcana actgtttagt cncncatggc gntnactgnc nnatcacant	360
ccnatnnnnn anctttctgn tctngntntt tnnagcntat annttgnnct ttcgtaatnn	420
tntnnnnntn cnnnnagann ganacnanat nnaactcncg ctntctgac acccganagt	480
cgatnaanga tagnatTTTT ntnatacntn ncgcntnnntn ngntcgnana cttgntcntn	540
tagagtntnt ncanncgac tttttntana tantnaatnt nnnntagtat ngtananant	600
cacncangnn acnccatnan ananngcntc nnntnanttc ngannataca tgatanangt	660
ntcaattgnt gcttgantct tctnnatnnn ancnatcgaa gnntttnnac tatnncttta	720
nannnccann tntntcactt nanttnncnn nnattagann nnnnnnnatn tgagngtaat	780
tnnnatctna ttatttncna tattncttcn anctnctnnn antntgtnnn angangttgt	840
nnnnntnnnc aantcnnana ntncctttcn tattnncata ntnatgntgn ccaatcntnn	900
nacctnaanc acncncttat tnnctnncng ctatgctncn acntctantn actatannac	960
gtatcntnct ttnntcgccn cntacnccnt atatatcttc ntattctcnn cttncctnaa	1020
ncnnnnntnn atntagnata tcnccnctg ancctccnan tgantantac ctcnacnata	1080

ncatactntg ncntnantct caattgcann gnntanatcc nnncntatga gaacatccna	1140
cctnnaaaag tnttatantt gntattgtan tgatcnaatnt tataantncn ntttaantna	1200
ctatgatnnn tatccntccg ttangatgan cgnttnnnntn tcnnactgcg tatntagttc	1260
cnaactnnat ngatnacgta tnnanntcac tntnntgact gnnncntacc tcntnntncn	1320
ctnntntngn annganatga acntcgcant nttanntngc nttatcactn tnatctnaat	1380
gtatntacna cngngngatg tantaancta tnttatnttt ctatntatnn tngatcnaatg	1440
acanntntng gatnctagcn ntntnnntnta cctcnnaccg ctcgttnta ntntnnnaac	1500
tatngatnnc atnattagna cgtatntacn tatgntaana ncnatangac tntcatgatc	1560
tattgtatnc atntnnncana ctgaatnnna nntntntg	1598

<210> 1289
 <211> 1598
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1598)
 <223> n is a, c, g, or t

<400> 1289	
nannncgang nnnnnanntn nntanattn nananannan nntntnnnnc nanccnnccn	60
tctntctntn natatggat tcttangan ctcnatatng gagngnggan cgaggnaaca	120
tctctntttg agncctcnag ngagtngnat tacagtngnn ntntttctna aaactagcgg	180
atcccacang ngntggntag gatacacccn cangaggccc tnnntgnccc ttttagcacg	240
gtctnggggc cgnggggcat cnggggnaca cagacngggg ggacntctat agctnacngc	300
aanantatnn tnttagcana actgtttagt cncncatggc gntnactgnc nnatcacant	360
ccnatnnnnn anctttctgn tctngntntt tngacntat annttggnct ttcgtaatnn	420
tntnnntnn cnnnagann ganacnanat nactcnnog ctntcntgac acccganagt	480
cgatnaanga tagnatnttt ntnatacntn ncgcntnntn ngntcgnana cttgntcntn	540
tagagtntnt ncanncngac tttttntana tantnaatnt nnnntagtat ngtnananant	600
cacncangnn acnccatnan ananngcntc nnttnanttc ngannataca tgatanangt	660
ntcaattgnt gcttgantct tctnnatnnn ancnatcgaa gnntttnnac tatntcttta	720
nannnccann tntntcactt nanttnncnn nnattagnnn nnnnnnnatn tgagngtaat	780

tnnnatctna ttatttnena tattncttctn anctnctnnn antntgtnnn angangttgt	840
nnnnntnnnc aantcnnana ntncctttctn tattnncata ntntatgntgn ccaatcntnn	900
nacctnaanc acncncttat tnnctntcng ctatgctncn acntctantn actatannac	960
gtatcntnct ttnntcgccn cntacnccnt atatatcttc ntattctcnn cttncctnaa	1020
ncnnntnnn atntagnata tencctnctg ancctccnan tgantantac ctcnacnata	1080
ncatactntg nontnantct caattgcann gnntanatcc nnnctatga gaacatccna	1140
cctnnaaaag tnttatantt gntattgtan tgatcnatnt tataantncn ntttaantna	1200
ctatgatnnn tatccntccg ttangatgan cgntttnntn tcnnactgcg tatntagttc	1260
cnaactnnat ngatnacgta tnnanntcac tntnttgact gnnnctacc tcntntnctn	1320
ctntntnngn annganatga acntcgcant nttanntgc nttatcactn tnatctnaat	1380
gtatntacna cngngngatg tantaancta tnttatnttt ctatntatnn tngatcnatg	1440
acanntntng gatnctagcn nttnntnta cctcnaccg ctcgttnta nttnncnaac	1500
tatngatnnc atnattagna cgtatntacn tatgntaana ncnatangac tntcatgatc	1560
tattgtatnc atnnnncana ctgaatnnna nntntntg	1598

<210> 1290
 <211> 988
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(988)
 <223> n is a, c, g, or t

<400> 1290	
ttnanaaaann ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcagggg annntgncta ncncccagaa nngnctncan acngcggnt ccganccnta	120
cactttggac ggaantgtnc caatgantac ntggaaactgn tgnaccncgn nctgctgn	180
ctgtggangc nannncana ttgangannt cacttnacng gncactcaa gcgtgnggct	240
ggatcattta ctgacntcat cnnggttgn naggccatga aggnaacaga ttggngnac	300
ncacaggacc ccacagtcac tgntgagaat gaactcttgg gagccaagnt tgccattgag	360
gttganncca ttaagctgga ccacntgatt cctcggacca nncctangga ggcggnaag	420
tncttgactt tgangaccat aatcctggaa actttcaatt tccatcnagg aagncaccac	480
cgctggaga aggctgcctc atctgnacaa aaggacctg tggncangg gaagggtgct	540

ncaattcagc caactcactt gttgatggaa gtggtcccaa ggnccatattt ttttttgccc	600
ggatggtgga ttggggcacc atcaacctgn gngaggaaaa nnattgcatt ttggtccaag	660
ggccccccct ccctggaaaa ngcttntttt attaaaccaa ggaagggttnn cgtttttnaa	720
aantnccacn ttatttgga ccctgccang ngcaaagggc cggaccccng acttttgaaa	780
ggcaatggaa accgggtttt aagggttggc cggggaancc ccattnaaac cnggnccttt	840
nnaccaancc tgggggaang gngggcccn aaagggttg gnnccntttt taaaaaacc	900
gggnaaacg gaanccctng gggggttnaa agaaaaaaa agngtccggg gggcanttgn	960
cccnaattt ttttttgcc ccaggana	988

<210> 1291
 <211> 919
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(919)
 <223> n is a, c, g, or t

<400> 1291	
aaanctggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca	60
ggcgtaggtt cagnggcgct gaancggnng cgtggggctt ttaggttctg tagctggtcg	120
caatggcaag caaaggaggg tacatcgtgc ttgggctcct gttcctggct gtcctctgcc	180
aactcgggtca cagcctgcag tgctacagct gtattaacca agttaactgc acttcaatcg	240
tcaattgttc acataatcaa gatgcttgtc tcttcgttaa ggctgtgccg ctaaaatttt	300
accaccagtg ttggaagtac gaagaatgca gttttgagtt cattgcaaaa gccttagggg	360
agaaggagct ccactatgac tgctgccaga agaacctgtg taacaaaagt ggcgggagga	420
gcgtatccga naagatactg ctgctgctca ccctgctgct ggaggcagtc tgccactttt	480
atcgctaaat ctatgccagg agggcttctc ctgaatatcc tgttctatct attccttcct	540
tcgggggatg ctgggttcca aangcttttt atttccaac tggatcctgg ttaatcnttt	600
ccctgtggga nanactaaaa ctaagcttga ccacttgaat aatagaggaa ctcaaaaaga	660
ctntgaanac catncttttg gcanaaaaa ctggttgaat tgaaaaaagt taaaaangaa	720
ccggggtnan ttgagtgana agacanggtc ntactttgcc ctttgggggg gcaacntttc	780
aaggaccact tganggactt gtttttcaat ncttaaaacg tttccctttg ggtncnggg	840

aaggaaataa nggggaacaa nccttttttn ggggaacttg gggccagggg gggtcnnnttt 900
 taaaaaantt tttttnnaa 919

<210> 1292
 <211> 966
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(966)
 <223> n is a, c, g, or t

<400> 1292
 tnnnnaaaag ctggagctcc accgcggttg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcacga ggctggacta cggaagcga ctggcgagg ccagcaatta 120
 gaaactctgg gttctgggtg caaaaaccga gttaggaggc tcaggcatgc tgcgtcccaa 180
 ggctttgacc caggtgctaa gccaggccaa cactggagggt gttcagagca ccctgctgct 240
 gaataacgaa ggatctctgt tggcctactc cggctatggg gatacagacg cccgggtcac 300
 cgcggccatc gccagtaaca tctgggcggc ctacgaccgg aacggaaacc aagcgtttaa 360
 tgaagacaat ctcaaattca tcctcatgga ctgcatggag ggccgtgtan ccatcacgag 420
 agtggccaac ctgctactgt gcatgtatgc caaggagacc gttggnntcg gaatgctcaa 480
 ggccaaggcc caggccttgg tgcagtatct tggaggagcc tctcacccaa gtagcagcat 540
 cataatgggc gttggtggaa acctgggatt canaagaatg agatgaccat gtggttaggg 600
 cacggcttcc ccggggaaaa ctttcctgga cttgttgcaa gaaaattgga gtggggggga 660
 ctttgttctt nccaanaata aacttcaact gctgtctcaa annnnnnnnn nnnnnnnnnn 720
 nnnnnnnnnn nnnnnnnnnn nnnntttng gggggggggc ccgccccccc ntttttttct 780
 tttnttngg ggggnnnnnn nnttnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
 nnnnnn 966

<210> 1293
 <211> 972
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(972)
 <223> n is a, c, g, or t

<400> 1293
 ttnannctat ctggagctnc ancncngtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggan ttgctgangn nnacattgag ctngcnagcg acttcagggg catctttagg 120
 agtcagnact atggcagaag acatccaggc caaaatcaag aactaccaga ctgctccttt 180
 tgacagccgc ttccccaacc agaaccagac caggaactgc tggcagaact acctggactt 240
 ccaccgctgt gagaaggcaa tgaccgctaa aggaggtgat gtctccgtgt gtgaatggta 300
 ccggcgctgtg tacaagtccc tctgccccat atcctgggtg tcaacttggg acgatcgccg 360
 ggcagaaggc acgtttcctg ggaagatctg aactggctcc atcccacctc ctctgtcct 420
 ccgtccttct cccaggggtg gtgaaggggg accgggggtac atgggtgatcc ccaccctggg 480
 atcctgactc atggtataac taataataaa tgctcgtttg aaacgtgaaa aaaaaaaaaa 540
 aaaaaatttn gggggggggc cgggacccaa attccccntt atngngnnnc tttnttaaan 600
 nnnnncccng atgggnggna tgnnnnnncan caactanctn tgtnaaggnn tntccnnttg 660
 cnnncttttn ncanggnntn nnnccnttnc catnnanaaa ccttnattnt nnttcnnnnc 720
 nnnncnnnnn nntttnnnntt nnaaannnnc nnnnttcttn nttnnnnngg nnnnggnntn 780
 nngnncnnan cnnnnnnntt ttnannnnnn nnnannnnnn ntttnnnngt tnnncnnnnn 840
 nnccnnnnnn aannnnnncn tntnanaacc nngnnnnnaan gncnnnnccn naaanngttt 900
 naancttttt naannaannn ngnnnanntt nnnnncccn nnnntttnnn anngnanaan 960
 aaanntnnnn gg 972

<210> 1294
 <211> 999
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, c, g, or t

<400> 1294
 gccnatntgg agctncatcn cngtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggag ctgagagttc gagagctacg ggaccccaaa gacagggctg 120
 ggccctggca ccctgcgcgc cccgacccaa cacttaggcc agaccatggg aacccaaaag 180
 cctcggatac tgccctgggt gatattctcag ctggaccgag gggagttgga gggcgtggcc 240
 tggctgggcg agagccgcac gcgtttccgc atcccttgga agcacggctt gcggcaggat 300
 gcccagcagg aggatttcgg catcttccag gcctgggctg tagccagtgg tgcctatact 360
 cctgggaagg ataagccga cctgccgacc tggaagagga atttccggtc tgccctgaac 420
 cggaaggaag tggtgcgttt agcggaggac cacagcaagg actcccaaga cccacacaaa 480
 atctatgagt ttgtgaactc aggagtcagg gacatccctg agccagatac ctctcaagac 540
 aatggcagac acaatacctc tgatacccag gaagacactc tggagaagtt actgagtgc 600
 atggacttga gcccaggagg gccctcgaat ctgactatgg cctctgagaa gcccctcaa 660
 ttctttgcag agtcccgaact caagacatcc ctgctctttt gcccacactc gggactcttc 720
 tgaaaacccc cttgaacagc tgttggcaaa cgangaagat tgggagttcg aggggactgc 780
 tttttaccgg ggcttgncaa atctttccan caanactgtt ttctgccctg ggggcctggn 840
 gnttggngg gatnanaagc aggggacagg atcttgccctg ggcaanctta tacnaattgc 900
 cggacccttg gangtncctt gacagaaaaa naacngana anaatacntg ncaacgtggt 960
 gcttaactgc tngggccggg gggcttggcc ttgtggcng 999

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<210> 1295
<211> 972
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(972)
<223> n is a, c, g, or t

<400> 1295
nncaaagctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct    60
gcaggggttan gttingagtct gtattggaca aataagcact atgcttttca aatgattgga    120
aaatcatttt tatttgcctc ctttttttga cagtggtttg actttttggt tgtttaagta    180
aaaatcacta aacttgtgca atggtagcat ggaaattatc tgaggtgtct tgtatgatng    240
tgctttggcc aggggtggaca tagttcaaat tgtaanagct gaagataaaa gaggaagaag    300
gtataggttc atgctgccta ttanaagag aactttcatt cttcagagct acataacatg    360
ataatgccac tgattcataa ggggttttaa ttaattctat ggggtaggac accagaatca    420
ttagtggttca ttntcatcta nggtttttat ctctctaacg ttcttggcct attgaaacat    480
ttcagtatac aaaaatactg cgatgttaat acccaagana aaagccatca tantgtgtat    540
gctggtcatt ttgatcagtg tggcacaatt ttttaaaaat aaactatcan gcccttcaaa    600
aaaaaaaaaa aaaaaaccng gggggggggc ccgcccccca nttncnnntt aanggggggn    660
nnnaaaanann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    960
nnnnnnnnnn nc                                                                972

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<210> 1296
<211> 948
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(948)
<223> n is a, c, g, or t

<400> 1296
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggaattcgg cacgaggctt cgctggggtc tgagccgagc cgaggcctgg ctgctcccgc 120
cgcccacaag ctgctgtcac cgggctctgc acagacaggt agagggcacc gaattccgga 180
gcgcctacag cctggacaag ctgtaccgga aatcgcgggg cgcggaacacc gcctggaggg 240
tcccgggcga cgcaaagcaa ggcaacgatg acattcctgt agatcgcttg acgatatctt 300
actgtcggag cagtggctct gggggccaga acgttaacaa agtgaactcc aaggctgaag 360
tcaggttcca cctggcaagc gccgactgga tcgcagagcc cgtgcggcag aagatggctc 420
tcacgcacaa aaataagatc aacagggcgg gagagctgat cctcacgtct gaatacagcc 480
gctatcagtt ccgaaacctg gcagattgcc tccagaaaat tcgagacatg attgccgagg 540
ccagccagcc agccacagag ccatncaaag aagatgctgc acttcagaaa ctcaggatag 600
aaaacatgaa tcgcgaaagg ctccgaaaaa agagaataaa ctctggcatc aanaacnagc 660
aggagggctg gtaccggact tgaaaagcac ccccttcga gccaagcaaa aancccttnc 720
angggcaccc cangtgggtc cggacaccaa gganaacggg tgtctngttc gtgtcaactg 780
gtcgnctttt acnnngggaa accgtgcna agaaagggcc cttcnggaaa cccaaangtt 840
gttaagcccc ttgtnccccc aggnntttt taaaggggaa taacgtggtt tttaanacc 900
ttcgnatn catnggcctt ggttttantg gcaataaaaa ttcttaan 948

<210> 1297
<211> 974
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(974)
<223> n is a, c, g, or t

<400> 1297
gcctatanng agttgnatta cagtggcgcc cgctctagaa ctagtggatc ccccgggctg 60

naggaaattc ggcacgagggc cctggtgccc ctttagcacg ggcttggggc cgtgtcgcaa	120
caggggcaca cagtgtgggg gacatcaaag cgccgnaaac catggccttg caaaccgttc	180
cgccccgcnt ggggtcctgg ggnacccccg ccnntggnag cntcntgntc ntgntttttt	240
gcntnggtng ggttnnacnt tcnaggncn aggntgnaaa cnnggaanng gtttttttna	300
cntaaanngn ncannnnann tngnggaacn tgtcttggn naagcntnac ntnacngtct	360
tcttcccaag ggccnggggg gnacnaaaaa aaaaggcntg ccccnngggg nggaaggcca	420
aattgngaa taaaaacttt ttttttatat aagnatgtgg aacntgaagg cttgtgtgaa	480
cgggncctgt tngcncacc caaataaaaa antgnanaac tganattctt ttcatatanc	540
aagangtgca tnttttaaag cgnaaantgt anaanttata ccnnagggn nnaccacn	600
cttttataga gcnnagann ttttttttt tntacgnccc ctgtgganat atncacaagg	660
gaaatgacnn ttctgtgcac accgaaaaaa ttttttanaa aaaancncca aaggngcggn	720
ggtggaanan tcncagggg tgttcctctn atnncccntn ttttgnnggg gaggaaggga	780
ccnttttnt ananagggcc cttgttanac cttgtggat nnttttgccc tgcnttaacn	840
ngngggtnt tttccgcccc nnatgaacnt gggtantact ttnnnaaaat taaanannng	900
nttttttttn aannaacccc ccccnngnaa nntgntnggn nnggnntggc ccnnccnnnn	960
anaaaanatt tgtn	974

<210> 1298
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1298	
gcctatanng agttgnatta cagtggcggc cgctctagaa ctagtggatc ccccgggctg	60
naggaaattc ggcacgagggc cctggtgccc ctttagcacg ggcttggggc cgtgtcgcaa	120
caggggcaca cagtgtgggg gacatcaaag cgccgnaaac catggccttg caaaccgttc	180
cgccccgcnt ggggtcctgg ggnacccccg ccnntggnag cntcntgntc ntgntttttt	240
gcntnggtng ggttnnacnt tcnaggncn aggntgnaaa cnnggaanng gtttttttna	300
cntaaanngn ncannnnann tngnggaacn tgtcttggn naagcntnac ntnacngtct	360
tcttcccaag ggccnggggg gnacnaaaaa aaaaggcntg ccccnngggg nggaaggcca	420

aattgngaa taaaaacttt ttttttatat aagnatgtgg aacntgaagg cttgtgtgaa 480
cggnncctgt tngncncacc caaataaaaa antgnanaac tganattctt ttcatatanc 540
aagangtgca tnttttaaag cgnaaantgt anaanttata ccnnagggn nnaccacacnn 600
cttttataga gcnnagagann tttttttttt tntacgnccc ctgtgganat atncacaagg 660
gaaatgacnn ttctgtgcac accgaaaaaa ttttttanaa aaaancncca aaggngcggn 720
ggtggaanan tccncagggg tgttcctctn atnncccntn ttttgnnggg gaggaaggga 780
ccnttttnt ananagggcc cttgttanac cttgtggat nnttttggcc tgcnttaacn 840
ngngggttnt tttccgcccc nnatgaacnt ggggtantact ttnnnaaaat taaanangg 900
nttttttttn aannaacccc ccccnngnaa nntgntnggn nnggnntggc ccnnccnnnn 960
anaaaanatt tgtn 974

<210> 1299
<211> 974
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(974)
<223> n is a, c, g, or t

<400> 1299
gcctatanng agttgnatta cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
naggaaattc ggcacgaggc cctgggtgcc ctttagcacg ggcttggggc cgtgtcgcaa 120
caggggcaca cagtgtgggg gacatcaaag cgccgnaaac catggccttg caaaccgttc 180
cgccccgcnt ggggtcctgg ggnacccccg ccnntggnag cntcntgntc ntgntttttt 240
gcntnggtng ggttnnacnt tcnaggncn aggntgnaaa cnnggaanng gtttttttna 300
cntaaanngn ncannnnann tngnggaacn tgtcttggn naagcntnac ntnacngtct 360
tcttcccaag ggccnggggg gnacnaaaaa aaaaggcntg ccccnngggg nggaaggcca 420
aattgngaa taaaaacttt ttttttatat aagnatgtgg aacntgaagg cttgtgtgaa 480
cggnncctgt tngncncacc caaataaaaa antgnanaac tganattctt ttcatatanc 540
aagangtgca tnttttaaag cgnaaantgt anaanttata ccnnagggn nnaccacacnn 600
cttttataga gcnnagagann tttttttttt tntacgnccc ctgtgganat atncacaagg 660
gaaatgacnn ttctgtgcac accgaaaaaa ttttttanaa aaaancncca aaggngcggn 720

ggtggaanan tccncagggg tggtcctctn atnncccntn ttttgnnggg gaggaaagga	780
cccnttttnt ananagggcc cttgttanac ccttgatgat nnttttgccc tgcnttaacn	840
ngnggggtnt tttccgcccc nnatgaacnt gggtantact ttnnnaaaat taaananngg	900
nntttttttt aannaacccc ccccnngnaa nntgntnggn nnggnntggc ccnnccnnnn	960
anaaaaanatt tgtn	974

<210> 1300
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

<400> 1300	
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ggctgcagga attcggcacg aggcaacgag caggccatca tcgacgtgct cacgaagaga	120
agcaacgcac agcggcagca gatcgccaag tccttcaagg ctgagtttgg caaggatctc	180
atcgagacct tgaagtcgga gctgagtggc aagtttgaga ggctcatcat agccctcatg	240
taccctccat acagatacga agccaaggag ctatatgatg ccatgaaggg cataggaacc	300
aaagaggggtg tcatcatcga aattctggct tctcggaaca agaaccagct gcaggagata	360
atgaaggcat acgaggaaga ctatgggtcc aacctggaag aagacatcaa agcagacacc	420
agcggctacc tggagaggat tctggtgtgc cttctgcagg gcaacagana tgacttgagt	480
gggtatgtgg acccangatt ggnccctgaa gangcacang atctggaccc agcgggtgaa	540
aaaaatctgn gggaccgatg aaatgaaagt tcattactnt tctggggacn ccncancgcc	600
ccccaccttg atganaagtg tttganggaa tattganaaa antgnccacc cagaacnntt	660
gngggcccg c ntcaanaggn ganaaccnt gggttcctt ggaggaggnc nttctttaca	720
ggaatggaag ggcncgccggg aaccttcccc ggntncnttt gnggggcgcc cntttcnttt	780
gccatgaaag ggaaccaggg acttttggtt ggggacccct ganaaaaaaa aattcgtttt	840
cccgggggng ggnattggcc tttaaatntt tttcaannaa atcanttcna nnaaaaattt	900
tccggggaaa aacccttttn cnnnntttgt tttttgggaa aaaaccaanc nggggganat	960
acaaaaana gncccttttt tnaac	985

<210> 1301
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

<400> 1301
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 aggtctctgtt cctaattgtgc atggggcctt ggcccctctg gctattccgt cggcagcggc 120
 agcagcagcg gcagcgggcc ggatcgccat cccaggcctg gcgggggcag gcaactctgt 180
 cctgctggtc agcaatctca accctgagag agtcacaccc caaagcctct ttattctttt 240
 cggcgtgtat ggagatgtgc agcgtgtgaa ggtcctgttc aacaagaagg agaacgccct 300
 ggtgcagatg gccgatggga gccaggcaca gctggccatg agtcacctca atgggcacaa 360
 gctgcacgga aagccagtgc gcatacactt ntctaagcac cagagcgtgc agctgccccg 420
 cgagggccaa ggaggaccag gnctgaccaa ggactatgga actcgccctt gcnccgtttt 480
 aaaaanctgg ctccaaaaa ctccagaac atctccacc ctnggccant ntgacttttc 540
 aacatccgc cctccttntt ttgaggataa cctcaaaatt nttttttcca taaccggggg 600
 gaatcgtcaa angggttcaa ggttntttca aaaaggancc gnaaaatggc gcttgatncc 660
 aaatgggctt aagnggaaga agggcattcc agggactttt ttgaacctgg gccaaacatt 720
 gaacttgggg gganaaaccc nccncttgg gggnggtcc tttttccaaa ttccccatt 780
 ttaagggccg nccanccag gaaacaaacc ttggcngggg anncccggg aannaaattt 840
 tcatttntt ttcnnaanaa aaaaancccc ttttnaaaa agcncggttg aaannggacc 900
 ctttnaaana aaccaanaa attttnttt ttttttaaaa aaaaaaaaa caantttaac 960
 ctggtntttt naaaaaaaaa aattaaaat 989

<210> 1302
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

<400> 1302
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 aggctctgtt cctaattgtgc atggggcttt ggcccctctg gctattccgt cggcagcggc 120
 agcagcagcg gcagcgggcc ggatcgccat cccaggcctg gcgggggcag gcaactctgt 180
 cctgctggtc agcaatctca accctgagag agtcacaccc caaagcctct ttattctttt 240
 cggcgtgtat ggagatgtgc agcgtgtgaa ggtcctgttc aacaagaagg agaacgccct 300
 ggtgcagatg gccgatggga gccaggcaca gctggccatg agtcacctca atgggcacaa 360
 gctgcacgga aagccagtgc gcatacactt ntctaagcac cagagcgtgc agctgccccg 420
 cgagggccaa ggaggaccag gnctgaccaa ggactatgga actcgccctt gcnccgtttn 480
 aaaaanctgg ctcccaaaaa ctccagaac atcttccacc ctnggccant ntgacttttc 540
 aacatccgc cctccttntt ttgaggataa cctcaaaatt nttttttcca taaccggggg 600
 gaatcgtcaa angggttcaa ggttntttca aaaaggancc gnaaaatggc gcttgatncc 660
 aaatgggctt aagnggaaga agggcattcc agggactttt ttgaacctgg gccaaacatt 720
 gaacttgggg gganaaaccc nccncttgg gggnggtcc tttttccaaa ttccccatt 780
 ttaagggccg nccanccag gaaacaaacc ttggcngggg anncccgggg aannaaat 840
 tcatttnntt ttcnnaanaa aaaaancccc ttttnaaaa agcncggttg aaannggacc 900
 ctttnaaana aaccaanaa attttnnttt ttttttaaaa aaaaaaaaaa caantttaac 960
 ctggtntttt naaaaaaaaa aattaaaat 989

<210> 1303
<211> 959
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(959)
<223> n is a, c, g, or t

<400> 1303
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggattcggc acgaggccag tttccagttg tgtaccaagg atgattgctt cagtgttaat 120
attcagcctc ctgttgagaga actgctttta cctgtggcca tgtcagagaa agattttaag 180
aaggagcaag gcatgctctc tggaatgaat gaaacttcca ccacgattat tgctgccccca 240
cagaattttg ctccctctgt gatccttcag aagatagtaa atgtagccaa tgtgggtgta 300
gtcccttctg gacaagataa tatacacagg tttgcagcta aaactgtgca cagtgggtca 360
ttgatgctag tcacagtga actgaaggaa ggctctacag cgcagcttat cataaacact 420
gagaagactg tgattggttc tgttctgctg cgagagctga agcctgtcct gtcccagggg 480
taacctgctt acatctggac ttcagaatct ggcacacaac acaagtccct ggcatccact 540
gctgctgcct ttcatttata ataatagccc ttccatctgg cagtggggga agaagacact 600
cttgacattc ttggctcctg ctttaaaaaan gctgggggta ttctatcgng aatgcaatac 660
ttttccccct tttcactttg ctaaccaaag aacatacatt ttgctgncag gtatctcaac 720
ttcctaaaaat ccatttggca ttttcttntg gcctgntacn ttnttttngg cccttcgngg 780
gttncccttn cttggtntna anccnatgga nnggaccagg aaaccgggaa ncccttgggn 840
ttttttggga naaaantttt tcnttttccg cagtaangcc aaaaanttan ccctaaaaaa 900
tannngaccc tggaactntt tcnnnttggg ntttaaaaaa aaangggggg ngtggttnt 959

<210> 1304
<211> 913
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(913)
<223> n is a, c, g, or t

<400> 1304
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60

ggaattcggc acgaggcaaa atggttgccg ggttatgtta attgggaaga agaacagtcc	120
ggaggaagaa gctgaactaa nnaagctgaa ngatttggag aaatctgtgg agaagatagc	180
tgaccagctg gaagaactga ataaagacct tgctggaatc cagcaggggtt ttctggccaa	240
ggatttgcaa gctgaagctc tctgcaaact cgataggaga gtaaaagcta caattgagca	300
gtttatgaag atcttggagg agattgacac actaattctg ccagaaaatt tcaaagacag	360
tagaatgaaa aggaaggggtt tggtgaaaag gattcaggcc ttcctagccg agtgtgacac	420
agtggaacag aacatctgcc aggagacaga gcgactgcag tccacaaact tggcccttgc	480
tgactgaggt gaggcggaga agggccgtgc tgcactgaag aacagcccca ccagccctgc	540
catctctgga acagaagtta cctgccttcc ccagcgcttg ctgggagcaa ttggcccgtt	600
gccttttccct tctcttaciaa cccactctca atgaacaagt gtcattcctt ccaatcttta	660
accttctatc agcttctcgt tctggctctg ggggatctgn gcttgtccan canccccn	720
ttgtttggga nagggcccca tgaccaagtc tttccaactg gnttggancc tttgggggct	780
ttnttttngg cctggggaaa acttnttatg tatcccgng gaagtctga antttattgg	840
ncnttttgg gccttcaaaa accaaaaagg nccttttgg tttttatgaa accccttaaa	900
ncctggnttg ggt	913

<210> 1305
 <211> 1433
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1433)
 <223> n is a, c, g, or t

<400> 1305	
gnagngcnnn ncttntcttt nnanttnnnn cttnnnccnc nncnnnnncn cttcttntct	60
tnnccctcacc tcnctccacc cgncnangg nnnngnctat nttntntnnc tctttanagc	120
ccnttangag tcgcatacan ggnnnnccnt cncatctttt cctcctcttt tcgcacncna	180
ccttctcnnn ntttcttntn taanntattn cctnnctcnt ncacctcttc ntncntnnnn	240
nnnnnngnng nngtttcnat gtncaattn nnnttagtnn ccanannntc ntatccanca	300
ntcnntccat tnttnaanac gntntccct tntnttttn ntgtntattn nntnnntccc	360
ttccanacag tgnannncnc tnanttttn nntantcttc anatgtntta gntcnnnnnn	420
ntttancntc tannntanna tannantnac anntatgnnt nntntntnt cngnttaang	480

gncannntac cttatnntnt ctannntca tnnagtattt ttttctttt ntngtagtt	540
nnngctcgta tttnnaggtn nncanttctc nctcacngng tcatntttnt tntttncggt	600
tntagtangc naatttnnnn tcnagttnan tnttattnt ntntnngnt tcnctntnat	660
ctantataac tnnngntcntt gctcttcnnn cntnnagcnt nctctnatcc ctntcntntt	720
tttacttttn tttncncct cctcctnccn cnnttctcnt nnttcgncc tntancccg	780
agtnccctnc tncntatttc agccaatnct cncnccgtan nccttcggtc tntcctttgn	840
cttctnacc ncnnttggt tttttnnnat tntcnctct tannnnntca nannnacttt	900
tgttgtncc tnaatnnctn ntntactncc atcannnncc gtcctactt gnacgtcnat	960
nnangtgana tttnnntntn gnnnggtcnc ctnttttncg atatnnnnac attcccnttn	1020
tntcacctan tctnttttat tgnnctgnnn nttnactncc ncgcngtca gtcaacnant	1080
cttatctcca nttnnntncc cttcggtntt cctgtatntt ncntctgntn ntgctntnta	1140
tnatnctctn ganctctata tgcgtttatc antatatntn cntnatcgnc gtcttatcna	1200
cnttngntcn ntaacaccgt tntcatcnc nnnntttct ctctttacnc ncacattgtt	1260
naactngcng cncgtctntg attctnctgn tatntgngng ttatntngac cttctcntna	1320
tnatatctta natatgtctn gatntgctng acntnccgan ntgtnttcct ntcnnnnccg	1380
antatcntnt cntcttgctn tntgntcnan antntnatca tgttggttng ncc	1433

<210> 1306
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

<400> 1306	
nncaannctg gagctccacc gcggtggcgg ccgctctaga actagtngga tccccgggc	60
tgnaggantt cggcncgagg ctcatgctta tcatatagta aaccaagcc cttgacctct	120
tacaggagct ttgtctgccc tcttaataac atccggccta accatgtgga tttcacttta	180
nctcaatgac cctgntaata atnggcctac caccaaata actancanta taccaangat	240
gacgagatgt tatccgagaa agcaccttc aagggcacca taccagct gtccaaaaag	300
gcctccgtta tggaataatt ctttttatta tctccgaagt actattcttt accggatttt	360

tctgagcttt ataccactca agcctcgccc ccacccctga actaggcggg tgntgacccc	420
caacaggcat tcaccacta aaccccctan aagtcccact gctcaacacc tntgtcctat	480
tggtctccgg agtttctatt acctganccc atcatagttt aataagaagg ggaccgaaag	540
catatattac aagccctatt tatcaccatc acattaggag tctacttcac actactacaa	600
gcctnagaat actatgaagc accttttact atctccgacg gagtttacgg ctcaactttt	660
tttgaaccac angcttnac gggcctcacg tatnattggg cccctttttt aatggctggt	720
tcttccgcca aataaaattt attttatttt aaccnccct tnngttttga aaccgntgcc	780
tggaactgga cttttngnaa acgaagncgg acttttccct ttagggnnct atcnaagggn	840
gggggctccc aaaaaaaaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn gggggggggg gggggccccc cccnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnnna aaanc	985

<210> 1307
 <211> 1259
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1259)
 <223> n is a, c, g, or t

<400> 1307	
nncccataga gaggannngn gngncanann ancgtcgact gagcccnatn gggagncgca	60
nnacagggtgg cggccgctat agaactagng gatcccccg nctgtangaa tctctggcac	120
gaggcgannt ttttttttct ttnttancaa naaaaaancc gngntntnt ntaaaaaaa	180
nggggncncc ccntccttt cgnatngnnt nncnntggga ccncnnncn cncnnccttt	240
tttgnttaat gngncctgga gncntgcnng ngggnaanatt tatnnntta ctattcannn	300
gggntcctgn atttncctcn tnanntncn agnaaanngc tnnnttttt nttngatcc	360
nnccgcnta naactttttt ncnttatanc gnnngcgtgt ccatcanggn nttanntann	420
nnattanagg gcncccatn ctnggtgnat cnntgggnng tacnaaatt ntctacnncn	480
nttaacnacn annngggang ntngggagg natnantnan tccntttac naaatagnen	540
tntnttcttt ttgtnnnacn tgntnttttt cnngngnag ctntnntnca aanngggntt	600
tnctganntt tntaaanatt tnnntngng ggggggctcc tntanncnnt cttnnangan	660
nagnncttt ncntttntcn ncntngggg gntgnanatt ttntaagnnc cgtgtcctc	720

nccnnnttc ngttccccc	ctnntgngta atnggcnc	tngcnc	ttatttncn	780
ctnagaaann gtggnnntn	tnnanncngn aacngatgn	nttnttcna	nnntnacnn	840
ncnantgtnc tctaatttn	atcttttnt gacctanttc	ntctcccttg	naatacaant	900
ctnnnnnnnt ctttgacnc	gtttcacggn cgnaantat	anatanann	ncttcatntt	960
ttctttttct tantnccan	taaaantntg tnncttctcc	ntnnccntnt	tntnaacnaa	1020
gacnaangga gaggggtgc	ttntctcntn ttnnncanac	tatcnttnat	tcnanngnnc	1080
ncnncnattt ntntngtntn	tagttgcacn naganantnn	ttaacttnan	nnngcccncg	1140
ngtnatataa anatnnagna	ngttcntcnc tntttcacna	naccttagtt	taccnctncn	1200
tcnnttntaa ananatacgt	cgctncngnn ngntnnccnc	gnacatnng	ctctctccg	1259

<210> 1308
 <211> 1420
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1420)
 <223> n is a, c, g, or t

<400> 1308	
tggaggccnc ataggggagt	cgtcattaca gggggnggn
cnctcnagna acgagtggg	60
atntcnctag nggttggatg	catnctcccg atctttngng
tttttnnta tntangntc	120
cannagaann cttncnagnc	gggggaattt atatactagt
agtttnacan ntacgnccac	180
ncnctcgtca gactcgnntt	cncgctgtnc nntantntc
nnannctcna canganantn	240
gnncngtngt tgtgccnta	gattntatc tntagagngn
ngacntgatg ncatgagagn	300
cggctagaag tnagcgaggn	gcganangtt ncantttang
cnnncacgat gnacnantna	360
ncnagancnc gnagangang	cgnannngaa gtnganncga
cttcngagtt ngnagggggn	420
gnnnnngatg ntncngnnnc	tatgntcctc gtgggncncg
ngagnnatc gtgntnngnn	480
tatgnntngn gantcncgaa	cgtnaganna tnannancan
gtgnntagac gggtcagagn	540
ncnnagatga taantnangn	ntccggannn antncggata
tnannnatan ntatntnt	600
tntgaanact atatctgnc	cntgctcgnn anncnntgtn
cgnnncgatc angttgngag	660
accntntann gctgtattgg	gnttntntntn nngagnncnt
nnnnccctag gggaagnnta	720
ggnatntatc nngagnnnnn	anaantcnnn ngntgnntna
caatntnacn tnaganntan	780

nnntnanncc acgatnncng tcgagnntnc nngnnntgta tcnagncnnn nntttttagn 840
 nnnntcgcnt tgttcgnngc nnnngnnncnn gnggnggngg ctntncnnac acngggnnnt 900
 ctctcatnta tnngttttcc ntcttttanc anctctnaat cccncnganc tttatanctc 960
 tnnctngtta ccncgcatna nnnngcgtct atttggatct cgangagntc gnatagtacn 1020
 tnncacgtnc ccangcntnt gnanggnnnn nngcnatnnt cggnatnann cngaactntn 1080
 ntatcnatna nactgtngag agagcatagn nngntncatg ntntctgnan aanttncttn 1140
 nctgantnng ancgtacnta nnnngngngta gttannnacn atgnancnta ntannnnnttt 1200
 atancgtgaa agatgtngna cgnagtngga anatnagagt antanctcgn nngntgggtg 1260
 anttacnntn ggatncntgn anggcganan natgncgnnc gtatgnnnnt gtattatcgn 1320
 tcgttnatgg gatatacgnna cgcncggtan tacgttnnta tagtacnctn ttcnnngagn 1380
 nncttncgtc nnggngcaga cgnaantgan gaggnanccg 1420

<210> 1309
 <211> 1420
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1420)
 <223> n is a, c, g, or t

<400> 1309
 tggaggccnc ataggggagt cgtcattaca ggggggnggn cnctcnagna acgagtgggg 60
 atntcnctag nggttggatg catnctcccg atctttingng tttttnnnta tnctangntc 120
 cannagaann cttncnagnc gggggaatth atatactagt agtttnacan ntacgnccac 180
 ncncctgtea gactcgnntt cncgctgtnc nntantntc nnannctcna canganantn 240
 gnncngtngt tgtgccnnta gattnttatc tntagagngn ngacntgatg ncatgagagn 300
 cggctagaag tnagcgaggn gcganangtt ncantttang cnnncacgat gnacnantna 360
 ncnagancnc gnagangang cgnannngaa gtnganncca cttcngagtt ngnagggggn 420
 gnnnnngatg ntncngnnnc tatgntcctc gtgggncncg ngagngnatc gtgntnngnn 480
 tatgnntngn gantcncgaa cgtnaganna tnannancan gtgnntagac gggtcagagn 540
 ncnagatga taantnangn ntccggannn antncggata tnannnatan ntnatntnt 600
 tntgaanact atatctgnnc cntgctcgnn anncnntgtn cgnnncgatc angttgngag 660
 accntntann gctgtattgg gnttntntn nngagnncnt nnnncctag gggaagnnta 720

ggnatntatc nngagnnnnn anaantcnnn ngntgnntna caatntnacn tnaganntan	780
nnntnanncc acgatnnncg tcgagnntnc nngnnntgta tcnagncnnn nntttttagn	840
nnntcgcnt tggtcgnngc nnnngnnncnn gnggnggngg ctntncnnac acngggnnnt	900
ctctcatnta tnngttttcc ntcttttanc anctctnaat cccncnganc tttatanctc	960
tnnctngtta ccncgcatna nnnngcgtct atttgatct cgangagntc gnatagtacn	1020
tnncacgtnc ccangcntnt gnanngnnnn nngcnatnt cggnatnann cngaactntn	1080
ntatcnatna nactgtngag agagcatagn nngntncatg ntntctgnan aanttncttn	1140
nctgantnng ancgtacnta nnnngngngta gttannnacn atgnancnta ntannnnntt	1200
atancgtgaa agatgtngna cgnagtngga anatnagagt antanctcgn nngntgggtg	1260
anttacnntn ggatncntgn anggcganan natgncgnnc gtatgnnnnt gtattatcgn	1320
tcgttnnatg gatatcgna cgcncggtan tacgttnnta tagtacnctn ttcnnngagn	1380
nncttncgtc nngngcaga cgnaantgan gaggnanccg	1420

<210> 1310
 <211> 995
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(995)
 <223> n is a, c, g, or t

<400> 1310	
tnnannannn tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggcacg agggcangac caggaggana gaaggctgca ccatctgang	120
acctgcang gtgagagaat agancattac aaggcnntgg aanaagcact naactcgccg	180
atcctttgtc tggggccgag atggnagggt gagcctcagg aagcctccag agctgttcac	240
caganggatg ctggcgcan agaaaaaagt tcctgggtca gttcaccacg caccagcgga	300
ctcgccgtga cacgcggaaa cngaaaggcg agggcatgg accatctgga agcccagctt	360
gagaccanc tacaggaagc tgaacagaac tncatctgaa atcttggcag cattggcccg	420
ggtacctctt gccgaaagct aactattttc gagtaaactg ggtctctcag cagagaacct	480
cctgaggact aaangggaac naagccttct accccgatga gagaggggac acttggggnt	540
ccccaggatg atgacctgtc cttggggggc cccacgttca ggatcgctca acaaaaggct	600

gatgccagca agaaagtgaa gttggtgatg gctanaaatt ccataaatat gcttanaaan	660
aagaagccat ctgtaacttt aaggcttgct caagacangn ccttgaagac ccgggcnttn	720
tnttgaagnc cacnttgccc cttccccag gangaatttg ccnccccaa gggtangggg	780
ggacaaatgg gggtcntttc ctttttgccc ccccggttt gtgccagggc ttgggaaaaa	840
tgggttggcc aaaattnccc aacaaaaagg nctttaaaaa attangggng gancccttct	900
tgccttttga aaaatgacca agcttncccg gggtnngga aaaaccattn tttttnaagg	960
ntttttgcn tcccccccg gtttttnana aaacc	995

<210> 1311
 <211> 971
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(971)
 <223> n is a, c, g, or t

<400> 1311	
ncnactggag ctccaccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca	60
ggctcgagtt ttttttttt tntttttngg gtcccngnnc nangnncttn nggggnnttt	120
nccccggtnn aaaaangggg gtttttttg gnaccncttn gnntttccaa nnnnnacggg	180
cccccccn nnaanccnt ggngggggg gggngggnn ccccnanncn ggnngggnt	240
nntnaaaagg ccnccnncn aaaaaaaanc cnttttngg gttnnnccng gggggcnaaa	300
ntnnttaaan ccncttnnaa aaantttngt nntngaaang gaannnnccn gggttnnntt	360
tnnaanggcc ccccccccg nccnttnnaa aannttnntn ntnntaaaaa naaancccn	420
naaannnngn gggngggcn aaaaancnt nnnnnccna aaaannnnn tgaaacccn	480
nccccactta nccaaatttt ttccnnnttt aagggnnaacc gganaaaatt tgggaatttt	540
ngngcccncc gaaantnntt tcggangggg aagggggaaa aacctttggg gggnggggtt	600
tttttttggg gcccnattn gggtttagga aaaanttttt tntccctgg aanggccct	660
tttttnaggc ccggnaccnt tttaanggg nngggggccc caatttttan aaaaaaann	720
anttngggtt aaacntttg aaacncaaa ttttcccc ttttgggaa nncctttttt	780
aaangggcnc cccncttn canaaaaaat ttngggcttt ttttttggg gaaattcctt	840
ttanngggnt nttttgggaa aaaaaaaaa antntcccat ttncccaaa agggaaaaaa	900
agncccccn gggggggaat ttncnaaan ttngggggg gggnggnnaa aaaacngng	960

ttaangaggg g

971

<210> 1312
<211> 989
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(989)
<223> n is a, c, g, or t

<400> 1312
naaaanctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg gcacgagggc ggtcaccctc ggttccaggc accgcaccgg gctagcggca 120
acatcgcgtc catggccacc acggcggtc cgctcatctt ggccctcagg gcctcgagcc 180
cgcccgcgac ccccgattcg tacgggggtct tctgcaaggg gctttcccgc accctgctcg 240
ccttcttcga gctggcctgg cagctgcgca tgaacttccc gtatttctac atcgcgggct 300
ccgtcgttct caacatccgc ttgcaggtag atttttagag ccctggggat gccgccggcg 360
ttccgggcct gcgttggtggc cgactcccag gaggcgccgc ggcaccgtgg agcttggggc 420
gagcagtccc gctgtctcgc gagagtgtt ggtctccctc caccggtgcg ctctcgctc 480
tccgncgtct gctcttcttc cgatcccctg aactggcacc gaaaacctcc tgagtgtang 540
aagangaaat acgcgattnc cgggaaccga gaaacttcag ttaaaaaccc cactacaata 600
tttaaagaag ctgtgcattc ctttaaaaac gggaacgaaa caggatgtan ttataacaan 660
gggaaaaggct ggtccaaaac ttttaaggac aagaaatgna caaaccttaa ngggccgtat 720
ttatnnaaat aggaaaantt tcggggaana atgaaaactg ggattnttaa accggggatc 780
agtcnnaan cctggaanaa ttttaanggg aatttgccgn gggaanggnn aaaaantttt 840
ttttntttc cccaaaccgg aaaaactttt tgacgaattc nnaaaanntt taggggaaaa 900
aaaaaaaaa aaaaaaaaaa tttggggggg gggggccggg ncccaaattn ccntttnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnna 989

<210> 1313
 <211> 939
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(939)
 <223> n is a, c, g, or t

<400> 1313
 naaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggattcgg cacgaggcca gtttccagtt gtgtaccaag gatgattgct tcagtgttaa 120
 tattcagcct cctggttgag aactgctttt acctgtggcc atgtcagaga aagattttaa 180
 gaaggagcaa ggcattgctct ctggaatgaa tgaaacttcc accacgatta ttgctgcccc 240
 acagaatttt gcttcctctg tgatccttca gaagatagta aatgtagcca atgtgggtgt 300
 agtcccttct ggacaagata atatacacag gtttgcagct aaaactgtgc acagtgggtc 360
 attgatgcta gtcacagtgg aactgaagga aggctctaca ggcagctta tcataaacac 420
 tgagaagact gtgatnggtt ctgttctgct gccgagagct gaagcctgtc ctgtcccacg 480
 ggtaacctgc ttacatcttg gacttcagaa tctgcacaca acacaagtcc ctggcatcca 540
 ctgctgctgc ctttcattta taataataag cccttccatc tggcagtggg ggaaanaana 600
 cactcttgac attcttggct cctgctttaa aaaggctggg gngnatctta tcgggaatgc 660
 catacttttc ccccttttcc ntttgctaac ccaaanaaca tacattttgc ttggcaagtt 720
 atcttcaact tncctaaatc cantttggca nttttctntg ggcccnggta cnttnttttn 780
 ggncccttgn ggggttccct ttncctnggt tnaacaatgg atgggacttg gaaccnggga 840
 aacctttggg gtttttttgg gnnaaaaatt ttttcntttt ccggggtaag gccnaaaat 900
 ttgnccctaa aaaatttnnn nnaccttgga ttcttttta 939

<210> 1314
 <211> 1025
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1025)
 <223> n is a, c, g, or t

<400> 1314
 gcctatagtg agtcgtatta canggggcgg ccgctctaga actagtggat ccccgggct 60

gcaggaattc ggcacgagga aaagatccaa ataaagaaaa acaagcattt gtgaaaacag	120
ttaaagatca agcttctgaa attcaggtga caatgatgct caccgaaagt tgtaagctcc	180
gaggtcttca tcacagaaat cttcttccta ttaccaatgt gtgtatagaa gaaggagaaa	240
agcccatggt gatattgcct tacatgaatt gggggaatct taaattgttt ttacggcagt	300
gcaaattagt agaggccaat aatccgcagg caatttctca acaagacctg gtccacatgg	360
ctattcagat tgctgtgga atgagctatc tggccagaag ggaagtcac cacaaagacc	420
tggctgctag gaactgtgtc attgatgaca cacttcaagt taagatcaca gacaatgccc	480
tctctagaga cttgttcccc atggactatc attgtttggg agacaatgaa aacaggccgg	540
ttaggtggat ggctcttgaa agtctgggta ataatgagtt ctccagcgct agtgatgtgt	600
gggccttttg agtgacgctg tggggaactc atgactctgg gccagacacc ctacgtggac	660
atcgaccctt ttgagatggc ccgcatacct tgaaagatgg ttaccgggat agcccccanc	720
aaatccaact tgtcctggat gaactaattt gccgtgatgg gcttgttgct gggcccttta	780
aaatccngga ggaagagncc caangttcca gcaccttggg ccanggggtct tccanagttc	840
ccttgccngn ccttgngggg ccttntnnnt tgactntggn tggnnnaatc tttccnagcg	900
gtccangan gaatggggcc ttcccnggcc ttnttnggan ccaaatcntn gaagncnnnt	960
tngtttncgc cnnnccccaca naaancccnt ttttttttnc caaaaaanct nnnctttan	1020
aaacg	1025

<210> 1315
 <211> 1372
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1372)
 <223> n is a, c, g, or t

<400> 1315	
gnccctanta ngtgnggtcg gtaattaann ngggggnttc tcatatctnc atcntnngtg	60
ggattccnnn tngggctcnc cangnnatnc nttntacnat aagtntngtt gnnntnttng	120
tcganactat ntntgngaag acganatggn tagggncnnt atatnntcng ananagttna	180
nanantgtnt ngtagctagn gaaccatnga nnggcgcnnt nnggtncnng tcantcgaga	240
ngcacgtngn tgatacnna gagngngacg nnannntnac nagtctncat nagnncnagt	300
aganngacat ngnagtgaga gatatatnna ttacagcgac ntcnganncn ngttcnttag	360

tnganagann cngtnngnca ngagngatgg anagngngag agngngncgn tgatgtgagn	420
ataannngnn acncntcgn nancgnaca nnnntgnggc nanacacant nanagcgcag	480
nanacnagag nttncnatac nntgngnctg ntgngngnnn gacntgngtc agnanantnn	540
cngatccnga cgnnnnanng nntgataact cgtnannnag tnccnagngc ncntgttnna	600
gttataccna gtcnagaggt gntcgacanc ggnaggtgan ncnnannctn ccntgaggag	660
nnacatnctn tcncnnnnn gtttncnngc tatncgcnag ntanncatcn nnaantngta	720
nacgnacacn ngnanatatg ngntnnnnant gntngtagng ngncnnnacn ncnttcangn	780
gannnntgag gcnannanta tcgnntggac cnnnnnatann angntganct ccncgattnc	840
ntanacacca gtaggnacgn tntgnnantn gngtnntgag annnngnagt natntnctg	900
ctnnacacnat tttcnnncgt aggagnctgn nnnngnnntc cgagntatnc nnnntttnnc	960
ngnnngtagtg tgtagcggat gcnanacagn ttgcgcgcntt cnnannagnn ntanntcgnn	1020
gantnaggng ctctagnngn tgtcgacnnn cgagncctcn cnnanncnaa gnntnnntcn	1080
ncatnacngt tngcgcgta gnnnatgatc gngncctttg atcnnncnag tnnttangat	1140
atntcntnac atatcanncg catcncntcg atgtnnncnt aattnatccc cntttnnnang	1200
atncgtgntn nnaangtaa tgcgtcgngn nncannncat nanaattgnt ctntccgnnt	1260
nnaancatnc nnacgctacg ncttntnacn ncntntgtc tncgacgna cggnatnctt	1320
cctnatctna cngactcnn tttntgacan atcncntncn ncntnatgtc cg	1372

<210> 1316
 <211> 1385
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1385)
 <223> n is a, c, g, or t

<400> 1316	
nctcnanagn nnnnngnnag ngcgaaggac cactnttngt tntanccct tactganncc	60
nnnttacaga ggnatnatctg nnttctcagt naancannca ntntactnn aattncnaaa	120
tatntccag nacttctant cattangctg ggtantnta aaacttcac ttctggntn	180
tttatnnaac cngggacaat nntcancnnc ancaattctt ctcnnantnt ncccnaaant	240
tancntnang acnataacan nngnncnata aatnattna ancnccttta atnnaatnct	300

accnncccn	tcttnaanat	ttcattatta	ntnatgnccc	atcncaacan	ntctntttta	360
tntatttnnga	gcncnanngg	anannctntt	tnncanttnn	cataacaacc	naantatctt	420
ntnanttaaa	canncantna	canannncat	mntacttant	ntanatanat	nnanccnnac	480
aannaantnn	tactcntttn	ctnnaanttn	mntnanccnt	ntcnncnata	naannanatn	540
anntaannnn	cgctgngcnn	ncactntatn	tatnnataat	aaanaaacgc	ctcntncnng	600
acnnttnant	cnattnnanan	actntaaaat	tctaacnadc	ntnangcnng	nttnatccca	660
nttaantcac	nccnccccc	ntataattcn	cntttntnat	ttgcacngnt	cncnaannnn	720
ntccttaann	tnnacnnnnn	atccaaanan	catccncta	tcnncctntt	aatnntaang	780
atttnnntat	ncncttnncg	nctgtcnntt	caacnnntc	nattncttta	nnccnnccan	840
ngcncccan	angnatnntn	tnttatntcn	ttcanngnnc	tatcaatcnt	naannnagta	900
taattantnt	ntnacnnctn	ccnnacatgc	cncntantaa	ncnantntna	ccatccatct	960
ccccatntgn	nattcttcaa	gctnccnann	ngcctcnan	nantctannn	ncgancnata	1020
gcncntcgc	tntacnntcc	ncttatcant	gcctcntact	nannngccct	nncnntnng	1080
ntaanatntc	ngncactnct	nanaacnnnt	cntaacanga	gatctcaann	atcaancnna	1140
tgnatgcagn	tcnttantct	gntnganacn	ctnanancnt	caccgattat	nnccggnntnt	1200
cnatcantat	atnagccaga	ntncacncan	naacncnnat	ancgttaana	tagcatntca	1260
ctnnnatgac	natactctct	agtnannntg	actctancta	tctntctnnt	tcacngntnc	1320
ntnntntctn	cnnnatncgg	actcgatnna	ctnanactcn	nnnctcaccg	tnnacaatnn	1380
agccg						1385

<210> 1317
 <211> 1054
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1054)
 <223> n is a, c, g, or t

<400>	1317	
tgaggccnnn	tagtgnggtc	gtattacngg
ggcggccgct	ntataactag	tggatcccc
gggctgcagg	aaataactct	gagnggtttg
cccttaactt	ctncaatgna	tganagtga
aaatntagtt	gcttagccgc	tcanncgtn
tacaactctt	cgngacacc	atganctata
ncccaacagg	ctcctccgtc	catgggactg
aanaatcctg	nagtttanac	catgaagagg
		240

cactnnggga caagctnngt atctntggnc tgatnaaang accatgcgna agtgactntg	300
gaactggntc ngnccaatng cttcctgatg cttgccannn tccnnccctnn ctngnttgga	360
tantctcngn tgaggaatca ncccagtntt gcncctccttg ggcttgntac tngcacnatg	420
aganatnaga ccctanattg gnttgaccnn agatccgtnn gnaacacann tngacnttga	480
agaacntggg ncancagacc nagecnnntga nccancttg gcaccantgn ttggacnnga	540
anccatgtgg accagctgcc ccnaagtctt nntcctcacc tttaaattcct gcaacataaa	600
aantgnttcg gtncnnnnnn acttgactnt ttggnnnncc cgtntgtgtt attcnaacaa	660
ntaaactcct tnnccagaant tacctnttnt ggcggnngng ggnaagtngg gnntagtctt	720
nnnttcacng ttatttttnt tncnttnnat ttantcnnnt ttancgantn anatccnccn	780
ttntnttttt tnggntntan agannntaca ntntcnnnn ncgatnttcc cncngnttat	840
ttntnncccc nctanntngg aangnncccg nncgtanac ctctacnctn cttttnnnctt	900
tnttncntng ngtgnaanan ccncncgaa attncttttt agccggcact cnnnttnact	960
cnacttttta nntcatntn naacncntcg gnnatanntt ganattntct cgctgtntna	1020
aacntgtntc tctctnacat tngtngtten nncg	1054

<210> 1318
 <211> 1054
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1054)
 <223> n is a, c, g, or t

<400> 1318	
tgaggccnnn tagtgnnngt gtattacngg ggcgggcgct ntataactag tggatcccc	60
gggctgcagg aaataactct gagnggtttg cccttaactt ctncaatgna tganagtga	120
aaatntagtt gcttagccgc tcanncgtn tacaactctt cggngacacc atganctata	180
ncccaacagg ctctccgct catgggactg aanaatcctg nagtttanac catgaagagg	240
cactnnggga caagctnngt atctntggnc tgatnaaang accatgcgna agtgactntg	300
gaactggntc ngnccaatng cttcctgatg cttgccannn tccnnccctnn ctngnttgga	360
tantctcngn tgaggaatca ncccagtntt gcncctccttg ggcttgntac tngcacnatg	420
aganatnaga ccctanattg gnttgaccnn agatccgtnn gnaacacann tngacnttga	480

agaacntggg ncancagacc nagecnnntga nccanccttg gcaccantgn ttggacnnga	540
anccatgtgg accagctgcc ccnaagtctt nntcctcacc ttaaattcct gcaacataaa	600
aantgnttcg gtncnnnnn acttgactnt ttggnnnncc cgtntgtgtt attcnancaa	660
ntaaactcct tnncagaant tacctnttnt ggcggngnng ggnaagtngg gnntagtctt	720
nnnttcatng ttatttttnt tncnttnnat tttantcnn ttancgantn anatccnccn	780
ttntttttt tnggntntan agannntaca ntntcntnnn ncgattnttc cnncgnttat	840
ttntnnccc nctanntngg aangnncccg nncgtanac ctctacnctn cttttnnctt	900
tnttntctng ngtgnaanan ccncncgaa attncttttt agccggcact cnnnttnact	960
cnacttttta nnntcatntn naacncntcg gnnatanntt ganattntct cgctgtntna	1020
aacntgtntc tctctnacat tngtngttcn nncg	1054

<210> 1319
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1319	
tnnnnaaann ctggagctcc accgcgggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggcacg aggatattcg cctcctggcc atagtccgcg ccgcctttga	120
ccagcggatg aagacgtggc agcgtctggca ggatgctcag accaccctgc agaagaagcg	180
ggaggctgag gctcggctgc tgtgggccaa caagccggac aagctgcagc aggccaagga	240
tgagattgta gagtgggagt ctcgggtgac tcagtatgaa agggactttg aaaggatttc	300
aactgtggtc cgaaaagaag tgatacnngt tgagaaagag aaatncangg acttcagaaa	360
ccacgtgatc cagtacctcg agacactcct gcactcacag caacagctgg ctaagtactg	420
ggaagccttc ctttctgang caaangccat cttctaattg accgangaca ccaaagccac	480
ctgcctgacg ctgcctttta tacacttggc cttcancctt gncgggcca gngatgcatt	540
ctggctaacc tgganttaac ccnttnttt ctggccccac gaacgggctt tgcccaagtn	600
tnttttaacc ggtacnttac ttaactttca tatatatattt tcttacctga aaggaanaan	660
ttttttggtt ttaaaccaaa aatncctnta cttagggggg gggnaataan ggggaagggg	720
gggggggntt tgggttttaa atttttttaa atccccaatg gttttttttt tttaaggaat	780

gnggggttagg naactngggg ganaaacnt tttttntta cntccctgac cgggggccct 840
 tgaaaaaaa attttttaa naaaaaaacc ttttaaaac ngggggnaan nnnnnnnnn 900
 nnnnnnaaa accttngggg gggggggccc cggggccccc aaatttnccc tttttanggg 960
 gggnnnnnt nnnnnnnnn nnnnnnnnn nnc 993

<210> 1320
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

<400> 1320
 anaaaactgg actccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
 aggaattcgg cagcaggggc gtngctgctc cttgcgctgt gcgccgcaag cggccggggg 120
 ctttatttcc acatcggcga gaccgaaaag cgctgcttca tcgaagaaat ccccgacgag 180
 accatgggtca tcgggaacta ccgcacccaa atgtgggata agcagaagga ggtcttcctg 240
 ccctcgaccc ccggcctggg catgcacgtg gaggtgaagg accctgaagg caaggtgggtg 300
 ctctcccggc agtacggctc agagggccgc ttcaccttca cttccacac tcctgggtgac 360
 catcagattt gcctgcactc caactctacc aggatggctc tctttgctgg cggcagactg 420
 cgtgtgcacc tagacatcca ggttggggag cataccaaca actaccctga gattgctgcc 480
 aaggataagc tgacggagct acagctccga gcccgccagc tgcttgatca aggtggagca 540
 gatccagaag gagcanggat taccaaaggg ttctgngaag agcgcttccg tctgatcaag 600
 tgagagcncc aaccagaggg tcctgngggg ggnccatcgn tcaaactgtc atncttnatc 660
 cttcactggc atntgggcan atgcgtcacc ttaaanantc ttntttgaag gccaanaaaa 720
 gctggngta atggtccctc accacgtgaa tccttttctt ggcaccctna nnttantttg 780
 gggacntttc ccccncccaa tatntttatt cccctggga tttntggang ggnaaaaaaa 840
 aagnggaaaa aaaggaattt ttnncccccc ttggtttcc cttgggcaac cnaaaacatt 900
 ttcaaantca nccccnttg gttaaaccct tgggnttttt aaagggaacc cagggnaaac 960
 ttgggtccca gggnttttaa aaaaa 985

<210> 1321
<211> 959
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(959)
<223> n is a, c, g, or t

<400> 1321
tnnnnnncan ctggagctcc accgcggggg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttccggcacga ggaatcttta tttttaaaagc aaagatctga aaagttccat 120
aaaagtagta tcttctaatac aatgattcat tattagcaga ttatatttac tccaactaat 180
tatccaatca gtagtatact ttgatataca cacatcatatc tggtagccttg tagacattta 240
aaataccttt gatttcaacc atgcgtaaaa aagtaataat ataactccac aaacgttgct 300
ctggagtaca acgtacacct cctgtgtcag actgacacca acctccact cacctgttgg 360
tacatgttcc caccatgatt tccacaccct cctctctgag ccttccttct cttctcattg 420
ctttgagaag ttcagagttg tacttctcaa gtctgtggta gtagttttgt ggtagggcct 480
taatagcata gtaaagatta ggcaggggtca aagtactcgg ttatgccttc tgattttgag 540
aatacattga gattctttat gccatctcat tcgnggcaga acggggcctc tcataaattt 600
tttgttttat taaatttaaa gaaaactaca gtagaaaatg ttggcaagcc aattatataa 660
ccaggggtat ttattactgg gtaaagggtt ttggacagta aaaccatggg tctgggtctg 720
gcacatgtgt tggcanaang gggatagcaa ctatcanttc gcaattctac canttttttn 780
ttntcgggg ntntttttta accataaaagt aaacttggcc caatcaagaa aaaattnttt 840
tatggaaaac ctggtnccta cctnccccn tggggaaaaa ataaatcctt angaaggcct 900
cctnntncaa aggttttaac aaaagcttcc nttttttttt ttgccttttt ttaaaaach 959

<210> 1322
<211> 1089
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1089)
<223> n is a, c, g, or t

<400> 1322
aacaanactg gagctccacc gcggggggcg gccgctctag aactagtgga tccccgggc 60

tgcaggattc ggnacgaggc cagttttcag ttgtgtacca aggatgattg cttcagnngn	120
aatattnagn cttcnctac ctannncat anaantttna tnananngna antanacaat	180
ttganaagga nnaattgaat tagttaattn nnatnanagn ntnttttcan catnatgcat	240
tgtncannnc ataanttttt ngtaactata atgatantnt catnataatn gntnaantnn	300
gnnangatgc anaagnngn tgaattcnnt nnnnaangg antngtagag acnttttnnt	360
anaatatnan nntgncataa ntntcnntnn ntantnatnn acnttgntan ntanttgaat	420
ggttattant ggtgncnttt tnttgtaagn caaatgnaaa taatntntc atttgtttct	480
gntntattnt ctgtnanaga cttnttgtgt nnatattaaa nnacatnana tatntttttt	540
ttnntttgcn cccccccccc nccctaattg ttaacatatt nttnagtntn gattttntnt	600
natnctaach ctnntanatt ntatanaata aatagntnaa gnnantntnt ttttttnaga	660
gntnnngnct naaganagtt ttgntcant tgggnnnaga tantgntatt ngngannng	720
antcacagtc ttnggatnng ttatnanatn tttananana ttctttattg tnattaatan	780
ganantagan aantttgatn cgttaanttt antcgttnca cnattnatta gtgtnatnat	840
atnnnatntn agtgngntat tanntatntn gaantantag naaatanttg anntnngnt	900
acganntnat nancacnttt tatntgntt gtagacanta tgtgtattta attaggatnc	960
ntgnataatt atangagncn agtntttatn gaagntnatg ntngtntntn antntctnta	1020
ttatatnaan attctaattt atctncnnat gtntagtatt angananggt agnagtangt	1080
gttgaanng	1089

<210> 1323
 <211> 1336
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1336)
 <223> n is a, c, g, or t

<400> 1323	
gngcnnccgg nttnntttnt nnnnnnnnt tntnncnnnc cncccccntc cncctngntt	60
ncacctntn cccntngngn nannnnngnaa tnnatanntt naccctnang ancgnataca	120
gnggcggccg ctctagaact agtggatccc ccgggctgca ggnaattcgg cacgagggtt	180
ttctcacctg aaaggactan tggatttnca ctaangtcta tagactaaag gccatcctga	240
tttctaantt ccccttcnca gttaccagng gtctctctct ttcttgcngt ccctttctgc	300

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ctcctgtccc acctgtatat gtgtttaagg nagaaagcta tgttttggta agganagtnn 360
ttgnactgta ncagcttacc atggacattc ttctnncagn cccangcacc cactactagt 420
acagcatgaa naaacngcct acccagaang agcngtggtt tgagagngcg aaggcctggg 480
gaatttcccc acacnccaaa agaanactct cattcancag cnagggacaa cngntattgc 540
nntgginctca caggcagact ttggctcgaa aatattcttc gnggtgttan aattgccacn 600
gcatttanng acangtgaac nanganataa atctgnaaga ntaatnttgt caccaatgna 660
ctgttnccag gnnctcttna ntncanatga ncnattgng atngccacta tnggntcact 720
aanngcncn ttcccnttna ctttggnctca attaatacca ttcnnctanc naanattggc 780
nnaccaggan ccaccannan tagggagtaa nccannntag caattntttt ccctttgncn 840
ccgtggncaa ntttttngng attcntaatn ggnnncngnt attccccctg gggggnanna 900
nttgtncna annaanntt cnnnactctt aataatacan ntctncccg tcntctcttt 960
ctgncngann ggantccnt cntntcnnna natcggnatg gnnttcnatn cctntncnc 1020
ancaacnnct tntttttcna ngcactancn gcngnnctcn nggtataata aanagcctnt 1080
ctgnggtcna cnnaaaaccn cntnnantn agtcntgtna nnannangnn gngncnatnt 1140
cntttatttn tnagncagna cttcgtgatc tcnnntagan ctctctcttn cccctttagn 1200
gtacncgct ncnncatatc ncgatanaca cancntgtcc tncagngata attangcnc 1260
tantttogac gttcttctan gnataccnta nagtaaccna ntntanattc nctcctctcg 1320
atcnccttttc antccc 1336

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<210> 1324
<211> 1076
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1076)
<223> n is a, c, g, or t

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<400> 1324
gccctatann gagntgnatn acagtggcgg ccgctctaga actagtggga tccccgggc 60
ctgcnggaan ttcggcccga gggagaaagg ttctgaagc tttnggnttn tcgcggctga 120
gttagggatt caacttgcca ccatgtcgan caaangagca aggnccagga ccaccanaaa 180
agcgcccaa gngcgnaac cttcnaacgg tgttcccnt tgtnnncca tnccnaaatt 240

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cagnanttna aggaggcctt aacnntnann anccaaanncn gggtnggggtt nnttgncaag	300
gaaaacttgc ntnacngnnc tngnttcctt ggaaaaaat ccnctgnnn antttttgna	360
tcccatanna aacangcgtn ccaggnccca taaatttccn nggtgtttca canatgtgtt	420
ggggagaant ttnatggggc acatcccca anatgtgtcn gaaaaagctt ttgcttgnnn	480
ttttgaanaa aaaaccttgt ggcncctntt ggagggatna tctcctgana actctnnncc	540
ccaatggngg gaccccgtn nacattatga aagttgggcc cacctntttc acaaaaaacc	600
cctttttntn cgaaaaangg ggggggtttt tttncctccg nnnnttcccc ccnctnnntt	660
ttttatngng ggganacgga acnaanaccg acttanttnn naantttttt ttttcctccc	720
aancnttcct tttntttgcn ccttnggggt ntttttttga aanattnttt tttttaatac	780
cnggngnggn tgccctttan cctttnaann nttnggcct ttttttttnn ntttaaaann	840
naancccta ttngggngnc ancccnnttt tttntntta aaaaccggaa ttnggggnc	900
nttctttttt ttttnaaaa aaaaaaaaaa naggtttttt ttttttttn ntttntgng	960
ntttnatnnn tcccccccc nnttacttn gnnntnnnn nnnnncacnt ntttttttt	1020
tnatnaang nnnntnnnc ntntntttt ttnccctct antcntttt ttnncc	1076

<210> 1325
 <211> 1463
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1463)
 <223> n is a, c, g, or t

<400> 1325	
ncgtnaang gcgnntgntc ntncctacn ctctntnct gnttnagccc tatagtgagt	60
cgtattacag gggattncac atccacncg gccnnntccc ctctntcttg ctncnntc	120
tncnncntc ntgcgatttt tttagttttc ctgcntatct ncttctnctc naagnngat	180
tctttctcct gencacctan ctncctctcn ntttngcnc tatntttcac taccattccn	240
cnngcctcc ncgcnggacc tctcatngtt tctntttccn ctntttttcc tntttncnta	300
cngncngtng ntccantctc ncctctttta ntatatnnn gccncccgnt gttnttnntc	360
ncnnatncac tntctncccc ncctnctnct cttttttttc tntcnatcnc angntcccn	420
canctttccn tctntatcn tntnnnnnat cctcnnnnn ntatntacnt tntttnttgc	480
tcccnnccg gncacacgtc nntnnntttt cttctncaact ngaacnccnc ctctccnnt	540

cnetcccntn acatctnttg nnnnnnttcc tngaanncac tnaactctntc ttctctcctn	600
tctatgancc cncncngcn ttctttnttt ntcentatnt ctnnnccctn ntentaccct	660
ccttctctntn ttgcttctnt cncnnnnccc ctctttcncct nctnctctnn ctctctnnnac	720
ncacntaatt cngccccct tncgcctcc ntcgtactnn ntcttcatcg ctanngtntc	780
cacnntangg gccngtnttg natnatcgtc gtnnatctnt tnccgctgn cncnttcctc	840
tctttnttta tctntttntn tcttacacnc gcttacgcn ngcncgctcn nctctnctc	900
ctctantngc ttccgnttcg cccgctcttc ggognaccnc cttcngccct nctntcttta	960
tntcttaate ttattcaanc nacgntnncc gtnntntcn cctnntttt ntantctntc	1020
anncgntccg gcncncgnc ttactntct cttnccccgc acnnantcct gntcccgnc	1080
natntcattt anttgctntc atccnnncna ctntntgtcc tctcnnttct nncaccnnng	1140
tatcctttca nancnctcn ccncgctctc ntctcnnncn ctngntctct nctactntnc	1200
tctctnttct cgnntntctt ntacctntnt gcactccant ntngnatnta tacntctat	1260
tgctncttg tactnnttct tnnccnccctn ntncccgcan atcnacctnt tctatctntn	1320
actcncnna tcttctnnac cncncnaanc tctntnncng tgtactcgca tntacctnnn	1380
ncnccncat nctcngggt acnntactat gngctctcc atttcnct angntctnc	1440
tnaactctnt cctcnnncgt ccg	1463

<210> 1326
 <211> 1116
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1116)
 <223> n is a, c, g, or t

<400> 1326	
ttgagccca tagngagtcg tattacagtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggc aancaacact gnatgggtnc ccttncctt gccnantgtn tgacagcgan	120
gaatnattgt ncttaatngg ncagngngcc nncaanngc ngnntcaac nttaantaca	180
ggncantan nacttcaaag nncctngca nccaaaanc ccngcacctt ataaccccga	240
nggagtnacn nccnacntg cngtggncnn attagctctg ganccanggt gagnccngg	300
ccnaaggagg gctttagatc nnnnggggac caantgtgcn ngngatcnc gggacacggc	360

tgcaccctt taccttagan tggagngtct tatcatttna ngngagtatt gnnanataga	420
agctctnntt gtgccagatc nanggcacat atnctnntat ttatcctcna gangngntgn	480
ctctttncna atgnggggaa ctngagntnt actcnggnta cantngnacn tnagnccac	540
gtanncgcac accnngggng aanacaatnt tanggacaca canantanac ttntntttgg	600
gnacnncng nctggnttna ngnnnantaa anangatngn ttgctnaact cntacaaant	660
aannaangtn ctntnggggg accnnnangt ncntttncce aaantgtcnn nntgagaaaa	720
ntcaantnt tccccataa nnnccanntt tncctctna tnanacnctt ttggtnttaa	780
ngggancccc tccnatcann atgggggnacc ancngtnntn ganccnntgg ncncgnnnnc	840
ccntnnnnca nnagaccaan cacnnncntn catggcaaan nngttacatg ntntnttct	900
anctctctna cnttntcant gggntcntta ccngttttnn nanctontag cacnttncat	960
gtntnttcta nnangntana cacnannaaa ntntnttcnn ttnaattng nggangnta	1020
canaatnegg ttcttanntn naaaannntc natanaattc tnaccnncca nctanntatt	1080
nntnccaant ntctacgant nangangnan cgaccg	1116

<210> 1327
 <211> 1116
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1116)
 <223> n is a, c, g, or t

<400> 1327	
ttgagccena tagngagtcg tattacagtg gggccgctc tagaactagt ggatcccccg	60
ggctgcaggc aancaacact gnatgggtnc cnttncctt gccnantgtn tgacagcgan	120
gaatnattgt ncttaatngg ncagngngcc nncaanngc ngnntcaac nttaantaca	180
ggncantan nacttcaaag nncntngca nccaaaanc ccngcacctt ataaccccg	240
nggagtnacn nccnacntg cngtggncnn attagctctg ganccanggt gagnccntgg	300
ccnaaggagg gctttagatc nnnnggggac caantgtgc nngatcnct gggacacggc	360
tgcaccctt taccttagan tggagngtct tatcatttna ngngagtatt gnnanataga	420
agctctnntt gtgccagatc nanggcacat atnctnntat ttatcctcna gangngntgn	480
ctctttncna atgnggggaa ctngagntnt actcnggnta cantngnacn tnagnccac	540
gtanncgcac accnngggng aanacaatnt tanggacaca canantanac ttntntttgg	600

gnacnncnng nctggnttna ngnnnantaa anangatngn ttgctnaact cntacaaant 660
 aannaangtn ctntnggggg accnnnangt ncnttttncc aaantgtcnn nntgagaaaa 720
 ntcaancntnt tcccccataa nnnccanntt tncctctna tnanacnctt ttggtnttaa 780
 ngggancccc tccnatcann atgggggnacc ancngtnntn gancnntgg nncggnnnnc 840
 ccntnnnnca nnagaccaan cacnnnntn catggcaaan nngttacatg ntntnttnt 900
 anctctctna cntntcant gggntcntta ccngtttnnn nanctcntag cacnttncat 960
 gtntnttcta nnangntana cacnannaaa ntntttcnn ttnaattng nggangcnta 1020
 canaatncgg ttcctanntn naaaannntc natanaattc tnaccnncca nctanntatt 1080
 nntnccaant ntctacgant nangangnan cgaccg 1116

<210> 1328
 <211> 999
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, c, g, or t

<400> 1328
 naaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggcc caagtTTTTT ttttttnaa atcccaggct tttngaagt 120
 gaaaacattn gggggctttt actganggtt nttaaaatan tcatnatagn anctggatnn 180
 gtaancnctt ttttttcctt ttaagnnct tcaannccca aaaacnaanc tngnctntcc 240
 gtttttttn aaagnanagn ngtgnttncc nggnnccaaa accaaanngn taatttaant 300
 ttnnttttaa aaacttttna anttacnana agnnantgna aaaaanccct ttgnttggcc 360
 tttaaaaanc tncgnttttt tnaanccnc cnatttttnaa ngaannnnnn nctgnantaa 420
 naaaancccn aggnngntnn gttnccaaaa ttnnttttn nctggncggg tnttttaaan 480
 ggnaaaccgg ggaaaaaagn ccgtttncct ggttnnttg gnccacttn ntgctaaan 540
 naaagnccct tggggnaatt aacgggactg gttggcattt ngtgggaggg gaggaaaaac 600
 nttttttgc ccaangaaag gaaaggccca aaaaccccnt ggaaantttt aaantttttc 660
 cnanggcccg gaancaaaaac ccncntttt aancccccgn ttttttnccc ctcaangggg 720
 gattctnaaa tntttttcng gaaaccccc tttgggggt tncaaaagga aagggnggg 780

ganncccccc cnggggggttt ggggtcccccc cccccccctt ttnaaaaggn cccaaaggaa	840
nccctttttt tttnccccng ggccctttaa aaaaaaaaaa gggccctttt ncccccccg	900
gnnggccccn tcaanggggn gggggggggg ggcccccca ggaaaaaaaa aaaagggntt	960
taaaaaaaaan gggccttttt ttccccctn nggggggnc	999

<210> 1329
 <211> 1010
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1010)
 <223> n is a, c, g, or t

<400> 1329	
ttgancacaa tctggagctc caccncggtg gggccgctc tagaactagt ggatcccccg	60
ggctgcagga atncnnacn agggccancg nnnctgtnnn ccnnanggct gngccttttg	120
ggaactggaa ncnttnnttg gcnttnnacn nangnggnan tnactcatat ncnannnatg	180
actggnancg nccannnttt ntnacnnttn ncnaaacatc tgngctcctn taactcaccn	240
ngngnctnnc ggttnttttt tgnatnnaac gntggagaan ncgtangccn accaancata	300
cnnttnaccc annntttttg aaanntatnc atnaaccttn tgcnttanaa annntgactt	360
tttgtgnacn ttananaatna cnacntgctg tnatgncna tatnttcaaa ctatgggcta	420
tgngantant tcaagcnncc cggngaattc cttcntgaat gtggtnncca cccgcctaag	480
anatgatgna ggggnancng ggnaaaaatn atcatantcn gcagngtnag agaggggccn	540
ttgggtaaaa tantaataag aaccnttgnt ccnttatccc cagccgactn tnntttnttt	600
tggagcagag aaaanaatnt ttttttanng cannctggtg gggggggacc ccanncccc	660
cttggaaggg aatgtcattn nttanacgna annncnnccc acttncccct tttttaaac	720
ccntttgtt ctttcccttn naaagggnng gngancctta aagtttttg gggancaccc	780
ttttcattgg ggcttaaaaa agggaggntt tggggtgtcc caancgnaag ggcncggacn	840
ccccccnct ttaaaacatt tnnaaaangg accccggttt tntncnntgc caagttaaac	900
nttaannntt ttttgntccc nggttttcca caaaaagggg gggggggggn tnaccntcnn	960
cntgaaanaa aggggttttta naaaaggngt cttaatttcc cttttnnng	1010

<210> 1330
 <211> 1044
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1044)
 <223> n is a, c, g, or t

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<400> 1330
ttgnaanaac aanctggagc tccaccgcgg tggcgggcgc tctagaacta gtggatcccc      60
cgggctgcag gcancaacct ctagaantna ccgttctctgc cncangcttc caacacagcg      120
ngggctctctc ctactgctgg aggnctctgc cctccacatc ctcatctctca tctgtctntn      180
cntggccact ntggacaagt nctggtggac tntaccgcggc anggngtcnc tgantctntg      240
gttcgactgc nnntgganta gtgacnncan aacgtngtcc ttcnataact ncacanacat      300
cggttngntg tacacagtac acctcctgnn tcagattgnc cncatcctnt nactcncntg      360
ctnnancntg ttcatnccan aantttnnnn cnttctctta ngagncntan ttcnttnctc      420
atgtgctttt gacaagttca gagccngtac ttctgaagtc tannggtant acttatcgta      480
ggncatttcc tttntaaca taatnctnga tnaaccgcgc ccttcaggag ggggcanggt      540
ttangntact ggctatcanc catgaacccg ggtggngact ttntccntnc gccnctggac      600
cangggggna tnatngacn ctncnccna tgnagnaatt cnnngaagtt atggaacttg      660
tncntaacc tntngaattn ccnaanancg aattncnagg nccnntttnt tttacaccnc      720
gganancnc ccnaccggtt tncctnnntt tntttntttt naaaaacaaa tanttaaatt      780
tgncttcncc cctccgaaa aaaaaaaaaa atannatntt ttggcncgcc cccccccccc      840
cntccgttnc gtcttnttgn gggtnatatt nccnancanc nccantcnt cntnaatttc      900
actcnaaat ctcttntttt ttaancnttt tattcnccnt tnttggtcng ctntaaccan      960
nanntnaant ntctctttct nntntcnngn ttacttatac tgaacatnca tcnttngggg     1020
gtnnctttct ntccnccan acnt                                             1044
  
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<210> 1331
<211> 936
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, c, g, or t

<400> 1331
nacaaaactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggaattc ggcacgaggc tcctctccag cctccaccat gtccatcagg gtgacccaga 120
agtcctacaa ggtgtctacc tctgccccca ggtccttcag cagccgctcc tacaccagtg 180
ggccccggctc ccgcatcagc tcctcggcct tttcccgagt gggcagcagc agcagctttc 240
gcggcggcct gggcaccggc atgagcatgg ctggaagcta cgggtggggcc ccaggtttgg 300
ggggcatcac agctgtcacc gtgaaccaga gcctgctgag cccctcaag ctggagggtg 360
atcccaacat ccaggccgctc cgcaccagc agaaggagca gatcaagacc ctcaacaaca 420
aatttgctc cttcatcgac aagggtgcggc acctggagca gcagaacaag gttctggaga 480
ccaaatggaa cctcctgcag cagcagaaga ctgcccggag caatatagac aacatgtttg 540
agagctacat taacaacctc cgtcggcagg ctggaaactc tggcccanga gaagctgaac 600
tggaagtgga gcttggaac atgcaggggc tggtaggagga cttcaagacc aagtatgang 660
atgaaatcca aaagcgcaca gacattggag aatgaatttt gtcattattc aaagaaagga 720
tgtgggatga agccttacat tgaaccaagg tagagcttgg agtccccgcc tggaanggct 780
tgacttgatg aaaatcaact ttntacangc aactggtatg aaaaaggaaa atcccngan 840
aatgcaattt tcaaaatttt tggaaccgt tccgggggnc cctggggcct tgggnaaaaa 900
naaacccgga aaccttgga ncccgggatn ggggat 936

<210> 1332
<211> 984
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(984)
<223> n is a, c, g, or t

<400> 1332
aaagctggag ctccaccgcg gtggcgccg ctctagaact agtggatccc ccgggctgca 60

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ggaattcggc acgaggggga gttcagtctt cgttcttctg tgttcgctgc tgacaccacc 120
actaattgac aatgcagatc ttcgtgaaga ccttgaccgg caagaccatc accctggagg 180
tggagcccag tgacaccatc gagaacgtca aggccaagat ccaagacaaa gagggcatcc 240
ccccagacca gcagaggctg atctttgccg ggaaacagct ggaagatggc cgcaccctgt 300
ctgactacaa catccagaaa gagtccactc tgcacttggt cctgcgctta aggggaggtg 360
ttttaagttc tcccttttaa gctttcgata agttacattg cacttttctt tcaataaagt 420
tgttgcattc caaaaaaaaa aaaaaaaacc nggggggggg nccnggcccc nattncccct 480
tatngggngn cnntanaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnc 984

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<210> 1333
<211> 1147
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1147)
<223> n is a, c, g, or t

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<400> 1333
gcctataggg agttgnatta cagtggcggc cgctctagaa ctagtgggaa tccccccggg 60
ctgaaggaat naagcntcng cctntgcgtn gtccttccgt tgtccgccag ccgtcaatgc 120
tcccntccgc gttgctccgc cgnccgggtt nggggccgcc ttngtnnggc caggggtccc 180
ctttttacgc caaaggntgg ccngttgtta aagggccctt tgcnggnggg ntcccgggaa 240
aaaaaatgcc ttancntttg cnttaacca acnagggtgt tttttaana agcgccaaac 300
ttccgcnagg gtggannnng cccaccacaa acnggncnt ttggaatcct tnaaacnat 360
gngccenttt tggangtcnt gnggcnaggc natanttggg gccaccttg angnnggcc 420

```


ccactnnaca aatacttting aagantaggg gncntntgac aaaagaaaaa tggaagactn	480
ctnngaanaa aaaanntggn attgaaagaa actgacntct ttngnannnn nganagaatt	540
ntggggggna aaaaaaaaa acanttnttg gaaaaangcc acaaggcngg ntcttggttg	600
ggggggcaaaa aaaacgaagc ccncttgggg gntanaaaaa acaaaanccc annatgggnc	660
gccaangga gnttctttna naaaaanntt nttgggaant aggggggntt ccntncnaaa	720
naacttggcc cagggttaana aaaanccngg gccncgatnc ttgagaaaaa ggttgggcct	780
tggnaaaaaa aaaaacccaa ccttcccaat gggncgcnn cnntaccnan nggattcctt	840
cccccnnga aanactgtnc tnntaaaata aancccatth ngggggncn tcacnnnnnt	900
ttttttttt nnacacaaaa aaactctntt tngnggaccc ntcccccttt ttnanttaaa	960
aaaaacancn nctagaaac annacctttt tttntattc nntnngtng agttngangn	1020
anaaatntan naacaacttt tccccncnn aaaaaanaaa aananctccc cncngggng	1080
gggggtnttn tttnnnnata ananannatt tttttncn cnnnannanc antntanaa	1140
aaaanct	1147

<210> 1334
 <211> 1357
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1357)
 <223> n is a, c, g, or t

<400> 1334	
ggnnnanggg ngcgcgnaag tcagccaccc ncnncnntt nnagcccnat agtggangtc	60
cgtattaaca aannnattac annnnncccc cngtntncn cccccgten ctgcctcccc	120
tccctccacc ccnctttnt centncgccc nccccntcn tgnnnccnccn cccggngtcc	180
ccnccccctet ntcccccttc tncnancnet tctcngnacn nacgggncc cncacnngcc	240
gentenctcc ccccggncc ccccgngtg gccnnttnn nntngtntna ncntcnnc	300
cncctcccgc cnntntnngt tcccgnnntn gctcgcggcc cnnccccnt ntatcttcnc	360
ntcnncggg ctnccccccc cccccctcca ncnntngtcc gnantccgnc gncnccnccg	420
tctnatctc ntctnnanc ctcgnacnnt cgcnnntggc cncggnntg gncntntgnc	480
cagcnggctc ntatnantnn cccnnccgn cngcccggt cntccccgcn ncccccttc	540

cnccegcnc cc ncttcncgnc accccgctcc nnntgggtgnc ttncctcncgg gggggggggc 600
ccccgacttt tcaccttcgc ggggggtcgcc tcgncngcnn annncnngcn ctactgnnnn 660
cccnacccc ngngcgatca tgcancctnn cnntccaatn tccggngccc ncgangcgng 720
cgncnncgcc tgggtgtgtng cncctcgcg nccctctna cctncanct cnggtttcct 780
ctcnnccnnc nncggcnct ntngnccac nnntaccttc ggngcnnncn ccccgccnt 840
ccnctcnc nctctctca gtcccggtnc cngccgcan aagangcngt gagncctnc 900
tcnctctnc nctcngtnn cttatgctc nttncctnc cntancncc ncggcgngn 960
nncnncgacn annactnttt tacantnnn gantttccgn gaggnannnc tcaactnccn 1020
tcnntctn cgccgngctc ttncnncgc ntatncncng cnntntccat gctccgcnct 1080
accgcgcgc tncaccatc cgnngcgcn ctcgcgcn ncctcgctc cntcccgnc 1140
gncgcttntn tntncnctn tcncctncgc gacgtncgc tntgngtc cagctctga 1200
ccgctctctt acnngtgcgc gncanngcg cacatncacg ggtccagngc ctagtncng 1260
cntncgcn tctnccgcgc ncgtcacna cggcgcnnc tcttannct ncanccgcta 1320
cgtnngcgc ctctncgttc gccncttact cgtcccg 1357

<210> 1335
<211> 984
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(984)
<223> n is a, c, g, or t

<400> 1335
tttnagccta tanggagng natnacagt gggccgctc tagaactagt ggatcccccg 60
ggctgcagga aanaaacact ggagtgggtt gccatttct tctccaatgc atgaaagtga 120
aaaataaagt tgcttatccg ttcagccgng tccaactntn gncnacnccn tnantntan 180
ccnccaggn tntccgtcc ntggaannna aantncnngc ngttantccn ntnaaaaggn 240
ccccngcca ncttngant ntggtnnnna nnaaagnaca agngnannn ncnnttaann 300
tcntttnnac nanngcntcn nnnnnntggn ancntcnacc ttnantgggtt ggaatcnttt 360
aagttaagna ttaanccaan ctngttttct tnggcntgga aacggcacat gagaaataaa 420
acccttaatg ngggganacc aatccatgtg tggaaccact gtgacataga aantctggca 480
cacacaccag catganaacc cantnggca nnntgtnana caaannctgt gccatgtgc 540

ccncagtcnc accnnatgnn nattntgcac aaaaaagggn gtgttnaacc ccnntgattt 600
 ggggggncn ggtatacacc antanntctt nnnacaaann atattttggt ggngaagnn 660
 acaggggggtt tcttatataa tggtnaatt tttcgaagaa ttaataccgn tgaatnggng 720
 aataaaatnt tatnggtttt attaaaaaaa aaaaaaaaaa aacncccgng ganatattta 780
 ccancntttt ttttttttcc cccaaaaagg gggccccnc nngnnttttn aaaaaanntt 840
 taccctcntt ttttgaaaa aaacncncn aaaaaaccg tttnggngga atnttngggg 900
 gggttaacct tnggnaaaa aaaaaaatt cnaaaaaagn gnttnnnngc gggnaaaaaa 960
 cctttttcca aaaaaggngg aan 984

<210> 1336
 <211> 984
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(984)
 <223> n is a, c, g, or t

<400> 1336
 tttnagccta tanggagng natnacagt gcggcgcgc tagaactagt ggatccccg 60
 ggctgcagga aanaaacact ggagtgggtt gccatttcct tctccaatgc atgaaagtga 120
 aaaataaagt tgcttatccg ttcagccgng tccaactntn gncnacncn tnantntan 180
 ccnccaggn tcntccgtcc ntggaannna aantncnngc ngttantccn ntnaaaagg 240
 cccngncca ncttngant ntggtnnnna nnaaagnaca agngnannn nncnttaann 300
 tcntttnnac nanngcntcn nnnnnntggn ancntcnacc ttnantgggtt ggaatcnttt 360
 aagttaagna ttaanccaan ctngttttct tnggcntgga aacggcacat gagaaataaa 420
 acccttaatg ngggganacc aatccatgtg tggaaccact gtgacataga aantctggca 480
 cacacaccag catganaacc cantngggca nnntgtnana caaannctgt gcccatgtgc 540
 ccncagtcnc accnnatgnn nattntgcac aaaaaagggn gtgttnaacc ccnntgattt 600
 ggggggncn ggtatacacc antanntctt nnnacaaann atattttggt ggngaagnn 660
 acaggggggtt tcttatataa tggtnaatt tttcgaagaa ttaataccgn tgaatnggng 720
 aataaaatnt tatnggtttt attaaaaaaa aaaaaaaaaa aacncccgng ganatattta 780
 ccancntttt ttttttttcc cccaaaaagg gggccccnc nngnnttttn aaaaaanntt 840

taccctcنتt ttttgaaaa aaacncncn aaaaaacccg tttnggngga atنتtngggg	900
gggttaacct tnggnaaaa aaaaaaatt cnaaaaaagn gنتtnnnngc gggnaaaaaa	960
cctttttcca aaaaaggnng aan	984

<210> 1337
 <211> 937
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(937)
 <223> n is a, c, g, or t

<400> 1337	
caaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcg gcacgagggc cagacgagcg aaggcaggaa ccgtggncgt cggttttttc	120
gttgccccg cnaanncccn tttnnngcaa nnangncac cgtcntaaa ncccgcaggn	180
ntttntgtan aaggngngga aggcttcacc ctncangg gncccagttt annagggcc	240
aaantncctt gtttnccag gnaaggaggc ntttngntcg gaancaaagn ggttnccgng	300
gccaaaccaa nccatttttc cggagaaagg ttaaaccccc caaaagaatc ggcttaaact	360
tgatncctt gagccccact ngnaaatcca aaaggtgctt gccntttaaa agngccagcn	420
tttttgactt tgaggaaata aaaaaanaaa nggcccagtg attcnnntct tagcttttg	480
attcnttttt tctntgttt tgagaaaaaa atggttgaag tnccaaaaaa ntgcctggat	540
gggaattaat acccgcgatt tttctactta aaaaaaaaaa aaaaaaaaac ttgggggggg	600
gccccggccc caattncccc tttggggggg nnttanntnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnn	937

<210> 1338
 <211> 1009
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1009)
 <223> n is a, c, g, or t

<400> 1338
 ancaaanctg gagctccccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggtttgcc nctnatggnt natgcttgnt gtncncanca ctctntcnct ctgtctangg 120
 cnnngaccnn cngcngncgn aangccacna tgtccatcct gaaggancac gcnnгатana 180
 nttntnnctc tcgtgggaat cccaccgacg nggttgatct ctncacacgc taaaggtcaa 240
 tgcntagntg ntgtgccccaa nggatgcttc atcttggaan gtatgangcc ctggggctcc 300
 ggaacantga taagactctc tncatgggaa aaggtgtnta aaggngtgac gacctcatca 360
 nnaaaanaat ngcccctgcc ttgnntanca aaaagntnaa ccnatgang cagganaaaa 420
 tccaacctt annataaact ggatggcaca naaaatattn ttgggggtgcn ancgcnatcc 480
 tgnctgtccc tggntatttt aanggctgca gctncgaaaa agggggggccc ctttaccncc 540
 catccccac tttntttgca atgcttaacg ncatcctgcc aattccggt tttnaatggc 600
 cttcacctta ggnctntnan gcttgnaacc anattgggcc ntgcaagggg tttatgnagc 660
 ctttctgtt gggggacnaa anantttccn gcnagggcct tgccccaccc ggaacctnaa 720
 gtttttaacc aaaagcctgg gaaaaaggcc nttnatngng gnaaaaaggg ggggangggc 780
 tttcccacca aacggggggn aaaaannann ncnggttttt tgnccccnaa aatttcnggg 840
 naaaaaccnn aaaaancccc ctggaaccnt nnttgnaaaa aantggcccn ccnnaaaaa 900
 gggnggggtt tcccctggcc ccaagggcc ccaaaaaggg ggnaangggg ggnaaaangt 960
 ggaccttttg gannnttca angggcccgn ggncaanaa nggaaccn 1009

<210> 1339
 <211> 959
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(959)
 <223> n is a, c, g, or t

<400> 1339
 tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg agggtttgga gtttgctgtg tctgtattca ntaagcagat 120
 actattttatt taggttggtg taaaggtaat tacagttttg cattgttgaa ttttgccatt 180
 tgatattgaa atacattctt aaataaatga agttatgttt tgaaagtgca agtggttagtc 240
 actcagttgt gtctgactct ttgtgatccc atgggctgta gcctgccagg ctccctctgtc 300
 cattggatta tccaggaaga atactggagt gggttgccat tcccttcccc aggggatctt 360
 cctgaccag ggattgaacc catatctcct gctttgcagg cagattcttt actgtctgag 420
 ccaccaggga agcccgaggt tacgttttac atcatTTTaa tgcacatttc tcactttatg 480
 tttttttgnt aatgatntat tacttgctgn ttatTTTaaa ctagggaaat gatgttagac 540
 aaaaagcaga attgaacgat tttcttattt gagttcaaaa taagncntaa ntcancagaa 600
 acaactancc acatcagtga cncTTTTgac ccaggactgn taacaaacat ccgggcanta 660
 acccgttcag gaagctTTTT naangaaacc aanagctttt acaatggagg gnggcagaaa 720
 cctggcccnt naaaaattgg ncagggacca actggggaac ccnccccgng ggacttgaac 780
 cntttaccag nttccctngn naaagnngcc caaaaaaact cgggggcnan cccncttcc 840
 nagtggntcn nccnTTTTna anccaaattt tttanggggn naaaaanncc naaaaaccgg 900
 ggggcccnct ttgagacccc ccccgcnaaa aaaaaacctt ttttttttna aggggatcc 959

<210> 1340
 <211> 955
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(955)
 <223> n is a, c, g, or t

<400> 1340
 tttnacaaan ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccg 60

ctgcaggaat tcggcacgag gcaccagccc aggcttggac aatgggtggg gacatgttca	120
acgccagggt cattcgaaac ttgcatgaac gtcgcagcac caggccttgg tgaccgcagc	180
ccctctcac accttcaaaa tcattattat ttctatctca cacaggactt agtcaaagct	240
tgccctcgcc gtgtatgtat tcattcattc atttattcat tctacaggct tttttttta	300
aaatcagggc caagtcattn gtatcttatt tttaaccaga gcaataaagt attttttacc	360
acgagaaaaa aaaaaaaaaa aacntggggg ggggnccngg ncccnanttc cccntnnngg	420
gngnngtttn anannnnnnn nnnnnnnnnn nacctggagc acanacaagg ntctgganac	480
cannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnn	955

<210> 1341
 <211> 1026
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

<400> 1341	
gccttatntg gagctnnatn ncngtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggcttct ctggtctccn ggtccccccg gccctcccgg ctctcctggt gagcaaggctc	120
cttccggagc ctctggtcct gctggtcccc gcggtcccc tggtcttgct ggttctccc	180
gcaaagatgg actcaatggt ctcccaggcc ccatcggtcc ccctgggcct cgaggtcgca	240
ctggtgatgc tggctctgct ggtcctcccg gccctcctgg accccctggt cccccaggctc	300
ctcccagcgg cggctacgac ttgagcttcc tgccccagcc acctcaagag aaggctcacg	360
atggtggccg ctactaccgg gctgatgatg ccaatgtggt ccgtgaccgt gacctcgagg	420
tggacaccac cctcaagagc ctgagccagc agatcgagaa catccggagc cctgaaggca	480

gccccgaaga accccgccccg cacctgccgt gacctcaaga tgtgccactc tgactggaag	540
agcggagaat actggattga ccccaaccaa ggctgcaacc tggatgccat taaggtcttc	600
tgcaacatgg gaaaccggtg agacctgtgt ataccccact cagcccagcg tggcccaaga	660
agaactggta tatcagcaag aaccccaagg aaaaagaggc acgtctggga ccggcgcnaga	720
catgacccgg cggattcant ttcgaatatg gcgggcaggg ggtccgatcc ttggcgaatg	780
tggccattca acntganctt ttcttgcgcc ttgaatgttc aaccgaaggc ctccccaaaa	840
aatttcaccc taccattgn aagnaacaaa gnnnggccct aaattggacc aacaanactn	900
ggcaancttt aaanaagggc ctngtttctt ccagggggttc caacgnaaan tcaaaaaccg	960
ggccgagggc aanaagcccg nttttaacct taagggttaa cctaannang ggttgacna	1020
atcnnt	1026

<210> 1342
 <211> 1172
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1172)
 <223> n is a, c, g, or t

<400> 1342	
tttaagncct atagtgnngt cgtattacag nggcggccccg ctctagaact agnggggatcc	60
cccggcttgc agnaattngg nacgaggcctt tttttccgcc tggntatccg aatgggccct	120
gctttatata acactntgcn taggggttcc ngatgaentg gcaaaccccc cttgtttntg	180
gggcctgat nacatnaaga ntttnntngn caaaancctt gnnttnagnn annttgacc	240
gggacacaaa naggngcnnt tngnanncg gngngtnntt ccccnacngg cntatagggn	300
nngtgccatc annttnnccc tatattncac cttancnctn ngctctnaa aanaanatgt	360
ncnnggggtc tanatttttn tnaaaagggg cacttntacc cctctcactt ttgncttttt	420
acaccagn gn caanngnang aacctcttcc ccntctnaa naaagntggn cntntntcnt	480
ntnntncttg tgccnaaggn ggggaaanan gntttatttc nnnngnccnc caaaancctt	540
naaaaaaang ngggggnctn ttctnttttn anngtnttnc ggngngagaa acntatgtcc	600
cctagaanta ttactngana ngganntnct nnnantcagc tcntncaann ctngttaana	660
nngtggnnag aaantanana tnccttaggg ncntanccan gngtatnga tncanncttg	720

nctngactnt cccncantnn acgggannct nagaannan aancntnctg gnccctngct 780
cgcgcnnat tangnnntct annnccggag cccttccnc ntntttntcn agncgttccn 840
ctntntnta actnnacnaa actttgcttc nnnancccca cctntntttt tntnttttat 900
gncacnctnn nngcnattgn nctccactng acntcngga gncnnntcnn ccctcccttn 960
cncnntntga ctanccagct cntgaanact ngccgcannc nnccttnttt nnnagattac 1020
cnntngnngc nnntgcctcn ctccntatta tncntangna ntngnncnc taangactcc 1080
nctannaca ncatngagta cgcattttt aatctcttcg gatnnncant acgnntatct 1140
tngttncnc cnntctnggg cncactcngc cc 1172

<210> 1343
<211> 1316
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1316)
<223> n is a, c, g, or t

<400> 1343
tgcnnngnngn nnngccannt cncctnnnnn nnnntnnagn ccnatagtgg aggtcgtatt 60
acaaanggan tacactncna aancggnggg gtacccccng anttgcncctn atntttctnc 120
ttttntnctt ctntttcncn tntcntacgc ntccctncngt ggntnctcng gggngcctnt 180
ncttctcnnn cncnntcac tccccnccct tnnncnacc tctttncctt gncgntncat 240
tntccctgt tngtnttcat cattgngtct nctnnctcn gnnngtnngc nagecgnccg 300
tnnctnncc cctctntntn atngttggnc tcggcncgnc ngccttgtn ttctttnatn 360
ntccctgcnc cnatgnntgc nttntntnt tntntntatt accgcgncc ncnctnttt 420
nttttantnt ttgtntcnc nccaccgctn ncttatatcn ntnntgntc ggctttcnnn 480
agncatncna tnnntctntc tncnatnttc tnncttact ctagnccng nnttcnctc 540
ttttccttgc nccctnccc gtcnngtnnt tctttttntt nngnngcnc tncgtnctn 600
tccctnnctn gnaantttct ngccatnngn nannctttt tcntngnnnn ttgcnntnn 660
annctnnnn ctntntngnn ctctangcgg tcnnanann gccngcnctc tgtngcattt 720
accctttgnt nnggccngc nnnngnctn ctctngnngn tcnnnnncn ggnnnngnng 780
cncnntnnn nnnngttgt gggntccgn nncctntgt tttcnnngtn ncgncctct 840
tctatcgnnn gncgtnnata tgnccnttn ntcatttct accnccnnc nngnctcnc 900

tcnnnctggt tttntcttnc cctccncnc tcccttcacc ntctatttct ancncttttc	960
cngttaccnc gcttcgnnct gcangcaact catnntcngc nttatnctgc tnattttcnn	1020
caagcantna tcngngntct cccnggnttt tncacncttt nnttnctctt attnccccnc	1080
tnnnttctct atnnntctng catcntttgn tnnctantna tggccantnt tanntntant	1140
attttttant gcctcanngt atttnctcac atatttctnc ttttctgttt ntcttcgcgc	1200
tngcnnttag atcagctnct nnttntctct natnnatnnt tatcncgten ttctnnntca	1260
tnnctctngn ntcgncnaca tctcacctnt ngcgtctctg tcnccgcnnc ncnccc	1316

<210> 1344
 <211> 934
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(934)
 <223> n is a, c, g, or t

<400> 1344	
ttnagcctat ntggagctnc ancncngtgg cggccgctct agaactagtg gatcccccg	60
cctgnaggaa ttccggcacga ggctcccccc tccccccgag cgccgctctg gcccgcactg	120
cgctcgccct gagctccggc ctctgttaa nccagcnccg ttgncnctc cttcnagncn	180
cnntnntnan nnttnnccgg ancntnntta cccttnacaa aangtnntcc nnttttnca	240
aaatccggan ggncnngncc ggcntgnnt ngaaggggna gggaaaaang gnnattagnn	300
caaagggnac nntnannann tncctnntng tggnaannnc ntngttnaa ggcccaagg	360
ccaanngcn ccaaagncac annattctgt ggtgtnatat ttgattagac ccacnnttg	420
cnggaaacca gntncacaaa anacntcnac aanatgcatt caganntcan gtgatntctc	480
tcaggggnac tnttgaana cagacccana gagngtaacc cttntgnna cgggnngtgn	540
aananaaaa nncatactt tnttatttna aaaactaata tnnntttnt ttgtggaaaa	600
cangaannnn canggggtg gngggtctn tggacncnac cgaggaangg ngtgccccnt	660
atataatnatt ttttatgang gnggtttaga aggtggaaat ntgtcnaant gngnggttct	720
tttgatnana nacctgtgnc ataanagggn ggggnctgct nttttttccc ccaccancac	780
gantnttaa aaaagggnct gatgggtgtct tngcctctt tttttttttt ttacaaccgt	840
ttnttttttn gggggnggct tttttttttt naaaaananc tcntttntgg ttggttaaaa	900

aaaaaaaaac ccctnttttta ccttttttgag gaaa

934

<210> 1345
<211> 934
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(934)
<223> n is a, c, g, or t

<400> 1345
ttnagcctat ntggagctnc ancncngtgg cggccgctct agaactagtg gatcccccg 60
cctgnaggaa ttcggcacga ggctcccccc tcccccgag cgccgctctg gcccgactg 120
cgctcgccct gagctccggc ctentgttaa nccagcnccg ttgnncntc cttenagnen 180
cnntnntnan nnttnnccgg ancntnntta cccttnacaa aangtnntcc nntcttnnca 240
aaatccggan ggcnngncc ggcntgnnnt ngaaggggna gggaaaaang gnnattagnn 300
caaagggnac nntnannann tncctnntng tggnaannnc ntcngttnaa ggccnaagg 360
ccaannggcn ccaaagncac annattctgt ggtgtnatat ttgattagac ccatcnnttg 420
cnggaaacca gntncacaaa anacntcnac aanatgcatt caganntcan gtgatntctc 480
tcaggggnac tnttggaana cagaccana gagngtaacc cttntngna cgggnngtgn 540
aanananaaa nncatactt tnttatttna aaaactaata tntntttnt ttgtggaaaa 600
cangaannnn cangggggtg gnggtnctn tggacnncac cgaggaangg ngtgccccnt 660
atatatnatt ttttatgang gnggtttaga aggtggaaat ntgtcnaant gngnggttct 720
tttgatnana nacctgtgnc ataanagggn ggggnctgct nttttttccc ccaccancac 780
gantntntaa aaaaggggnt gatggtgtct tcngcctctt tttttttttt ttacaaccgt 840
ttnttttttn gggggnggct tttttttttt naaaananc tcntttntgg ttggttaaaa 900
aaaaaaaaac ccctnttttta ccttttttgag gaaa 934

<210> 1346
 <211> 978
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(978)
 <223> n is a, c, g, or t

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<400> 1346
caaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaattcg gcacgagggc gagacgagcg aggcaggaac gtggacgtcg ggtctntcgt      120
ttgcaccgcg aagacacctc tinctgaaa atgggtcaacg tncctaaanc ccgcaggant      180
ttntgtaana agngtggan gcttcancct cncaaagtgn cccagtttan gangggcaaaa      240
nattccntgt ttccccaggn aaagaggcgc tttgatcgga agcaaagtgg ntncggggggc      300
caanccaagc catttttccg gaanaaggct aaancccca anaaatcgg gctgnaactt      360
gaatgcgttg gncccaactt gcaaatccaa aaggatgctg gccnttaaaa ggggcaagct      420
ttttgaactt ggaggaaata aaaananaaa gggccaaggg atccanttnt aagcttnggg      480
attcttttgg ncttaagggt tganaaaaaa atgttgaagt tncnaaaaa ttgcctgaat      540
ganaataaat nccgngatnt tccttcttaa aaaaaaaaaa aaaaaaaaaa cttngggggg      600
gggcccgggc cccaatttc ccctttaggg gggnnntna aannnnnnnn nnnnnnnnnn      660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      960
nnnnnnnnnn nnnnnnnn
  
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<210> 1347
 <211> 996
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(996)
 <223> n is a, c, g, or t

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<400> 1347
ggggttnaaa aagctggact ccccgcggtg gcggccgctc tagaactagt ggatcccccg      60
ggctgcaggc gcgccctgag ctgcagaccg acctagagcc cccgcccctg cccgactgct      120
caccgcgccg cgccatgccc ttctccaata gccacaacac gctgaagctg cgcttccccg      180
ccgaagatga gttccccgac ctccagcgcc acaacaacca catggccaag gtgctgacct      240
ccgagctgta cgccgagctg cgcgctaaga gcactccgag cggtttcacg gtggacgacg      300
tcatccagac cggcgtggac aaccagggc acccctatat catgaccgtg ggctgtgtgg      360
ccggcgatga ggagtcgtac gacgtgttca aagagctctt tgaccccatc atcgaggacc      420
ggcacggagg ctataagccc accgacgagc acaagaccga cctcaacccc gacaacctgc      480
agggcggcga cgacctggat cccaactacg tgctgagctc gcgggtgcgc acgggccgna      540
acatccgcgg gntttttgcc tccccccgca ttgaagccgn ggggaagcgc cgggccatcg      600
anaagctcgc cgtcnaagcc ctgtcgagcc ttggacggng aacctgggng gggangtact      660
atggcgcttc aaaagccttg acggagggng gagcaacaag caagnttatc gacnaccact      720
ttcntttttg aanaaanccc gngtcggccc cttggtggtt ggnttttggg cattgggccc      780
cggg aantgg gcccgaaacn cccgngggga ttttnggnat tnaacgaaaa aataaaaacc      840
ctttcttggg ggggggatnn aaccaangga ngggaccatt tttggggggg ttatttttcc      900
attgcnaaaa ngggggggcn aaaattgnaa nggngggngg ttcaaacncc tttttgggaa      960
aggggcctta acccnaaaat ggnaaaaccc nttttt      996
  
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<210> 1348
<211> 954
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(954)
<223> n is a, c, g, or t

<400> 1348
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggantncnn ccctnggnga caaaccgat ntggctgana ttgagangnn cgataagtcn 120
aaattgaaga anacgganac gcaagagaaa aatccactgc cttcgaaaga aacgattgan 180
caggagaagc aagcaggcga gtcgtaatga agcgtgcgcc gccagtatgc actgtacatt 240
ccacaagcat tgccttctta ttttacttct tttagctgnc naactttgta agatgcaaag 300
aggttggatc gagttttaat gactgtgcta ccccttttca catcaaagan tggagaacta 360
ctgacancgt aggccgcgcg tgcctctccc atctgcttgt gtggctggca gggaaggaaa 420
agaacttgca tgttggtgaa ggaggannct ggntgntacn acagngaaat ctacagtaaa 480
aagctgggtcc aaggtgttct gcggnctgta aaatgcagtt taatcagagt gccatTTTTT 540
tttgttgttc aaatgatttt anttnttga atgcacattt ttttnttnt gcaaataaaa 600
agttttaaaa cctgaaaaaa aaaaaaaaaa aaaaatttgg ggggggggcn gggncccnat 660
tcccccttnt agggggggnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnc 954

<210> 1349
<211> 935
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(935)
<223> n is a, c, g, or t

<400> 1349
ttnnacaaaa ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60

ctgcaggaat tcggcacgag gccgaggctg cacgcgcgag gctgctctgc cgccgctgag	120
atgcgttacg ttgcctccta cttgttggcc gccctcgggg gcaactcctc ccccgagccc	180
aaggacatca aaaagatcct ggacagcgtg ggcacgcagg cagacgacga tcggctcaac	240
aaggatcatca gtgagctcca cggaagaac atcgaggacg tcattgctca gggatcggc	300
aagctggcca gtgtgccggc tgggtggggct gtggccgtct ccgctgcccc aggatcggca	360
gcacccgctg cgggttctgc tccagccgca gcagaggaga agaaggagga gaagaaggaa	420
gagtcggagg agtcagatga tgacatgggc ttcggttctgt ttgactagag tcccgtccc	480
ctgcaaataa aacccttttt atgtaaaaaa aaaaaaaaaa aaaaaantng ggggggggcc	540
cggnncccaa ttcnccctat gggngtgcgn ttncannnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnn	935

<210> 1350
 <211> 1599
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1599)
 <223> n is a, c, g, or t

<400> 1350	
nnggntnann aatcntncat ncannnnnnt ttnttnttnc cnccccncnc acctctanc	60
tccatcncnc cccncncnc cccncaangg ggggtnacnc gtatgttccc ccnctttnag	120
ccncattacg aacnnnctct cncctctccc attnctcacn aataccttgt ttnnntcttn	180
cttttaaccn ttcnncctc atctcttntt tcatnttcat tcatcatatc antnnnttcn	240
ccnatgaant gtcactctac tctnncact tntaactttt tnaactnnnn atanctnnnt	300
angntngctn angcctnanc tnaatgatac ncaangnttn aannangtct anncacnntn	360
ngggatangn nntganagng ngttaccngn nnnggggana nnnnttngnn ancttantan	420
anctagtntt acttnctaata ctcnnctnna atcnnacttg cacgnanccc tgnagctan	480

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nncngnnnnn antgtnagan angtggnnnn gngnncanna gnnnnnacnn aacnatanan      540
ngacnnngnn ngaatnnant ttgnntnnaa natnnantnc nnnnaagttt nttncnaat      600
cnncgcaact angnnagggn caannactta cntancttcc ccgttttnana ngaaannntt      660
ngnnatgcnn cgnctatnna nncnatnngn gantcannnn nntaantnan ncnnggncnn      720
nnccanngc ttngtcnant anattatnct nnnangcnaa ntganccggn aacngacgan      780
ttgacngggg gganganann ggnnggcnnn nnggntanat atgcantngc nacnaagct      840
ncnggannnc cannttntta nanagtnttn gtgnanntca ngntngggnn cactcnaant      900
annacgtgtg cgnnctngc tgcaaggacn tcntagnatt aangnnngng tgacnaacac      960
nntnatgtga ncanagctnt acnntnagtt tcntntgnan acnntgctnn ctgcganatn     1020
gagtncgncn ngtcnatant ngtcnnncnc natncctntt nnetgntnct nttnanctca     1080
tnnnnagtan ttncctcan ncnctnaac ntgaaatatn cnnctngtc tccttcanca     1140
tgtcctgan tgancctat gnnngcnann cagnntcnc gannatgtnc tcnncganca     1200
gcatnantac nttnannacn taagntatat ntcactann nnatcgnaa tgtgccttan     1260
tagagnngcg tanntngag tcntanntnt acacatannn tannnnnttg gcannacacg     1320
atcctgttan tagtaannnc ttncnctn cntgtntatg acgttaccn tgngatctgt     1380
agtnttng catcgngtna tgttnatng nnnanntatn nctncnatnt tcncactntn     1440
ntactttngt gacgttnnac gcgaannan attannntat anngnactna nccnccgat     1500
ntntntact nntgantatc tctatcnntg ntntntnta cnatanatgn atnnntgnan     1560
acatgnctat nacngantg nattaaatnt ctnnncng      1599

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<210> 1351
<211> 1113
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1113)
<223> n is a, c, g, or t

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<400> 1351
tttancnncn nnaggnnnnc nnttttnnan ngtatncac tacanaacta gggggatccc      60
cccggggctg gaaaggantc cangnggtca taccanggt tggnagatga anggttattc     120
aggntgcccg nnncttctgt cnacgagcnn antccttggn caacaaaatg anntttnagg     180

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acntgggttna ggcaanccan canntcaac aaatggccat ccccgnaaag ngaaaagggc	240
nanaactctt ttctgcttaa nntaancttt agnnaanccc acatngctcn tnncccnan	300
gggnaanct gaaccatttt tttnnccnc tnnatttng gggnacctna ttcnaanatg	360
tntctaccgg nnnaaaaatt ttttttttaa anaaanctnt tntntgncc cntnttncaa	420
aaaaaangct tagattataa tcnttctntg gcncnctgn nntntnacga aaaaanannct	480
ctngnttggt aagaantnnn anaacncnt ntnagtncn tntnnganag nnnntacna	540
nggnggtcnc tcnnnnntn nnnntggcgg ngggnatat anacnanccn nnacatcgcc	600
nnntntcttn ngaaatnngn nccttncn tctntntt ttnatttnaa nnangttnc	660
gttnacanan cattttntnn nnttnnnann nnaccncnn cactctntnn nntttntnn	720
tanagnntga gacttatntt acanttcna tatntntng nacatntaaa tcttcttact	780
tcccantgtg cctnnttacn cctgtgntn ntntttcnc nanangnnan ctntntttna	840
tntttntta anactctgn cnantaatcn cnaanacant ngccncatna cagcctnctc	900
nanatcncgn tnacatanan tganacttgt antncncatg aantgnannt cncantana	960
ttcatatnt taanttgacn cctcttatct actancgtcn nttnantata ntnntcgan	1020
tcnnnctnta ntnatctac ancgtanna ctttctant aanncattnn ancncctaan	1080
ntcacgncna ngantagttn ccncnacnt ccc	1113

<210> 1352
 <211> 1618
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1618)
 <223> n is a, c, g, or t

<400> 1352	
ggtcnnannn agggnnntan ncagncntc annnnnnnnn nnnnttnng cccctcatng	60
tggnantacg gtatttaaca aacgtnatta ccanntacan nnnnnncggc gnetatnacc	120
tgcnnctc tcactntncc acccccactc cncctacnt nnttntntn tntcnntcn	180
anntncnnn ntncantntt ccnnttnggc gngntcctc cnttctnct cctnccttt	240
nancnctacn cctctncgn ttttcgcac cnnntcttn tntctctnt nntnttccgn	300
nnccccccnc ccgctncnc nctccttnc tncgttncc tnttctcct nntntccac	360
cnncttccc cctcgcatt ctctcctnc ttcctcctt ctattntcng nccccnnnc	420

ncctttactn nactattttn ntnattccac atcnnnnctn cntctccntc tttcctcnca	480
cnatttcccc gnnnctgccc gccnnccnnt cncctttnen cgtctctctg tanntnttgn	540
cccncnattn cccctctttt nccccntcat ctcccncccc cctnnntttc nttcttttnc	600
tctnctncc gncgcgcgcc cgttctnenc cnccannctt nccnnntntc atctnccccg	660
tcnntnttga antctctnnc cncctcnnc naccntccc ctcgntgccc ncnccnacct	720
ncgntctcnc cnttaccact nntccnccn cnnntctan tctcttctt ntnacnncn	780
tengccnncc ntncntctc ttntntcnta tctnccnct cccccgcct ccatactttn	840
ccnccnngc ancgccact tccatctnct ncnnctntcc nntttccgcg antctacanc	900
ttcactcnac actcccnncn ttcnncnncn ntctcgtctc accncacgcc ntgantntgn	960
acnnncctac ctccnctn caccntcnc nccagcncnc tcntcnctn tcncttctc	1020
tcnccncta cccccntnc natntnctcc cctcgnng cnatctnna nctttctca	1080
nntctctnt cccatgctaa accnctcnn ctncntatc nntccgcttc tcnctcct	1140
ccntntccg nctgtntcc cnnncgnt cncctccgn cntnctnanc ctctcncn	1200
ngctcancn ctactnnct ntnntcata tctcatctn accgnnnng catctnntct	1260
tctnccatnt acttctatnn ccccaccgn tattctcnc ccacagnncn cntactctca	1320
cnncttntc tcacatctct cgatcnctn cncctaccg cgcctgcca cgcnnctc	1380
ngncctcttc ttaccgcgn tctacantcg actcttcgcc ccatctgtct cctctaccc	1440
tctactcta cnntcntnnc antgtatctn ctacntntn nnnncntnan atatnnncta	1500
nacttctnt tctctctct annctctan agtctcttc tcntngcntc cnacntccct	1560
nnctctnnc tgctcccatc gaatnnncgn nnntancaac cccccgnnt nttcgcg	1618

<210> 1353
 <211> 1046
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1046)
 <223> n is a, c, g, or t

<400> 1353	
tttgagccac catngggagn ngcnttacag tgnnggccgc tctagancta gnggatccct	60
cgggctgcag gaaattncag cacgaggnc aattntgnttc accancagct ctactgnagc	120

cnnggcgata aaattcggcc agggttctcg ntcttgccgn ctctgctcca accggcacgg	180
tctgatccgg aaatacggcc tcaatatgtg ccgccagtgt tntccgccag tatgcaaagg	240
acatcngnct tcnttaaggt acgctggcgn acgccatggn ctctgttnc agganagggg	300
cnacaanccg gnagntcggc gtccgngntt gattcagngc cgttcatctc tttcagctaa	360
gcngggcnc ttnctttgta agncggacaa caacagcnga naggctcgnc agncatctta	420
atagganttg aggggganng tgaaggctnt gnaaaangta gatnttcnta atacctnttt	480
acccatntct gnnagntgta ggtagctata tgtaacngta ggatanacnt tnttttncc	540
gaantccttt nnacatgaaa acnttaaate ncctaatacat atccttngtn aantttnncg	600
ncaaaataac ntgccctctg aaccggcttg cccttgaacn taacctgaan naatgggtcaa	660
tgtnccctga nccntcnang ggtctngagg gcccagtaa nacccttctt aggaannccn	720
naacgcccn nccnttctaa tnatnncttt atngacntct nngtcnnant cgagttcaca	780
agnntaaana cnttntcccn ngggnannaa nncaactann ntggnttcnc ttncaaaact	840
tantanngtc anngnntttt ttggncnnnt nnaacgttct ccttcnnngt nntnntngnt	900
ttntntntnt annncgcncn aantaanntt cctcancnng tgtttnttct agaannaana	960
natatngang ccncnatcaa ctatgctant tnnntnctca naanncaccc ttcatngtnn	1020
gagacnacta cctntattnt ttntcg	1046

<210> 1354
 <211> 1046
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1046)
 <223> n is a, c, g, or t

<400> 1354	
tttgagccac catngggagn ngcnttacag tgnnggccgc tctagancta gnggatccct	60
cgggctgcag gaaattncag cacgaggnc aattntgnttc accancagct ctactgnagc	120
cnnggcgata aaattcggcc agggttctcg ntcttgccgn ctctgctcca accggcacgg	180
tctgatccgg aaatacggcc tcaatatgtg ccgccagtgt tntccgccag tatgcaaagg	240
acatcngnct tcnttaaggt acgctggcgn acgccatggn ctctgttnc agganagggg	300
cnacaanccg gnagntcggc gtccgngntt gattcagngc cgttcatctc tttcagctaa	360
gcngggcnc ttnctttgta agncggacaa caacagcnga naggctcgnc agncatctta	420

atagganttg aggggganng tgaaggctnt gnaaaangta gatnttcnta atacctnttt	480
acccatntct gnnagntgta ggtagctata tgtaacngta ggatanacnt tnccttttnc	540
gaantccntt nnacatgaaa acnttaaate ncctaatecat atccttngtn aanttttncg	600
ncaaaataac ntgcctctg aaccggcttg cccttgaacn taacctgaan naatgggtcaa	660
tgtnccctga nccntcnang ggtctngagg gcccagtaa nacccttctt aggaannccn	720
naacgcccn nccnttctaa tnatncttt atngacntct nngtcnnant cgagttcaca	780
agnntaaana cnttntccn ngggnannaa nncaactann ntggnttcnc ttncaaaact	840
tantanngtc anngnntttt ttggncnnnt nnaacgttct ccttcnnngt nntnntngnt	900
ttntntntnt annncgcncn aantaanntt cctcancnng tgtttnttc agaannaana	960
nataatgang ccncatcaa ctatgctant tnnntnctca naanncaccc ttcattngtn	1020
gagacnacta cctntattnt ttntcg	1046

<210> 1355
 <211> 1086
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1086)
 <223> n is a, c, g, or t

<400> 1355	
ttganaanan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggaa ttcggcacga gggctntacc ancgaggcag gaacgtggac gtccngggg	120
tactcgtttg caccgacga gacacctcta ctgcaangat ggtnaacgtn cctaaaaccc	180
gcagganttt ctgtaagaag tgtgnaaagc atcnacctca caaagtgacc cactataana	240
agggcaaata ttnccctgnnt gcccangga agagngcnc atnatecnaa ncaagtggc	300
tactctggnc nancnagcc aatattctnn antaagnntn atanaccnc accaatnanc	360
gngcttagac ttgantgctt ttgancccat nctnnctnt cccnncngga tncctntccc	420
atcactagnn tccnngcatn ttgnaactt ntannnanta ntaaganana nnnnncnggc	480
cnnatntgat cacagnttnt cngtgctgn cggaantnan ttntnannnc ttantnttc	540
naanaaagaa aattncttga aatttnannt catacatctg cncnnaatn annantacg	600
anannnnccc atantttttt tgtntcgcan nnnnnnnntnn atatnttctn nccctnntng	660

ngntttcctt cnnttcccn gttctttnnnn ttnttatntt tatttnttna nccnctaant	720
antcnntntt gnntnntttt cnttgcnccc ntntntnttc tntttnnant cctnntttnt	780
ttttnnca tgttccacta ntctctctt ntgttnttat attgntocta ncnatcctnt	840
nttntntccc tcttnttanc nagngtgntt acntntnttn nccntttann ncntgntcac	900
cttntnatgn nntententn nctentnttc ctacnctcn tntnnntent ctccnancnt	960
aacnnnatch ttatntttgn natctnttac acntntgaac anccntntca ccattgttna	1020
tcnctccttn tcactnctn tncatntnnn ntnaccatch nnttnatcct tcnntcnac	1080
cncnct	1086

<210> 1356
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1356	
gnggttnaan aaanctggag ctccccgcgg tggcggcgc tctagaacta gtggatcccc	60
cgggctgcag gaattcgata tcaagcttat cgataccgtc gacctcgagg gggggcccg	120
taccaattc gccctatagt gagtcgtatt acaancctga anagncttna acctnctann	180
tgncgctgaa naaagncang acgtcaannn ngatcangag acaaccaatt atactaccgt	240
acaatgtaan annncantc nattccctat antgagcttt cataacaaat accaatcata	300
attggaggat tcggtaactg acttgttccc ctaataattg gtgctcccga tatagcattt	360
ccccgaataa ataataaag cttctgactc ctccctccct cattcctact actcctcgca	420
tcctctatag ttgaagctgg ggcaggaaca ggctgaaccg tgtaccctcc cttagcaggc	480
aacctagccc atgcaggagc ttcagtagat ctaaccattt tctctttaca cttagcagga	540
gtttcctcaa ttttaggagc catcaacttc attacaaca ttatcaacat aaagcccccc	600
gcaatgtcac aataccaaac ccctctgttc gtatgatccg taataattac cggccgtact	660
actactactc tcgcttctg tattancaag ccggcatcac aatgctatta acagaccgga	720
acctaaatac aacctnttn gaccccgga ggangan accctattct atatcaaac	780
ttaattttgg attctttggg accccccga aatcttatat ttnaatctt aacctggggt	840
ttgggaaana atcttcttat tatcggggaa cctacttact tcanggaaaa aaaaagaacc	900

cnttcnggat atattgggga anaggtttgg ggctttttaa ngggcaaatac gggaantttt 960
aagggtttca atnn 974

<210> 1357
<211> 1086
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1086)
<223> n is a, c, g, or t

<400> 1357
ttgaaaanca tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
ggctgcagga ntncanccnt nggntttntn nccgatntgg ctgncatngn gangccccgg 120
gnagnttcna atatgaagan nncggntacn caanatatna atccactgcc ttcnaatgaa 180
acgatntgaa cangagaagc aaagcantgc nattcntaat gaanccgtgc gcncgnccgt 240
cngcactgtn ccatntccan naaagcatnt gccnttntta tttttaactn cttttnacnc 300
tgtctaacct tngttaanta nnctnaagga gggttggatn tgagcttnaa attgacntgt 360
gctacnccct ttccacatca naanganntg gagaactact gncaacgtag gccgcgcctg 420
cctctcccat ctgnntagtg tggctgncac gggaaaggaa annaanttgc attgtntggt 480
ganaggacng antnctgttt gnttaccacn gtgaaancta cagntaanaa agctggncca 540
anggnccgntn ctncntncc tggaaaaaat gcacttttna atcaaaaggt gccttttntt 600
ttnttnttcn ttncnaanna tttttaattn attggnaaan gccncaaatn ttttttntt 660
antgcanaaa naaaantnct naaaanccnt gnnnccann gnnaaaanaa aaacatnnng 720
nggggggnnn ngggttcccc cattcccacc ttntntnngn ctnttnnna naaatataac 780
cagccccgt ancctnnctn ntntncnnnn nccntntcnn ccantttcct tnnnncantn 840
ntcctntntn tnccntctn ttttntttt cccnttttn ccnncnttnn tttanncttg 900
cannctcgc cntnanactt acnnnctaat ncttcnnnc ccaaantcc canctnnct 960
nttcttange antnanntcc tnatccaanc aagacntatt acacnttct nttactnntt 1020
tnttactntc tcancctnch ttatcttaca cactcgnntc tcnatttnca nagtcnanch 1080
tnacch 1086

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<210> 1358
<211> 899
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(899)
<223> n is a, c, g, or t

<400> 1358
nacaaaactg gagctccccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaattcg gcacgagggc tgacaatgac atcggagctg tctcaacgac agggcacggt      120
gagagcatcc tgaaggtgaa tctggccaga ctgcgctct tccacgttga acagggaaaa      180
tcactagaag aagctgccaa cgcactactg ggtcatatga agtcaaaggt caagggcgta      240
ggtggtatca tcatgggtcaa caaagcagga gagtgggcgg tgaagtggac ctccacatcc      300
atgccctggg cagcggcaaa ggatggcaag ctgcactcgg gaattgactt cggcgacacg      360
agcatcattg acctgtccta aacccccaga agctgtattc tagaaactag cttggaggtg      420
acgcacggtc tcttggcgtg nagacttanc ttcacatcaatt agatctagaa ctagaaaaat      480
tctgcagcct gtcactcgtt ttgttgctn gatcagtgtc tggttggggg cgggttccaa      540
agtgtgtgag anacgcccat gttaagataa aaataagacc agtgaagatg accaacttca      600
cggagcctnc cttatgaaat aagtcccat tgtcttgaga ttagaaagaa gaaaccngca      660
agatcttaac agtaaagaaa gggcctcgat gcagggaacg ggtttggaag ttgggggacc      720
tacagcanta acagaagctg tangttcaag ggtgtggggg gttcgganga aaaggctntg      780
gggccaggac ccatgcaggg ccaacaggcn ggaaggancc nnnnggaccc cgggnaaggg      840
acccgggnnc caaanttatg gnaccctgga ttgttgcaaa cttantttaa aagncggaa      899

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<210> 1359
<211> 1644
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1644)
<223> n is a, c, g, or t

<400> 1359
ngcnnccggcg ncgctgcgnt cntnnnnnnnn nnnnnnnncc cnnnnntcct cncccccnc      60
acttttnccc tcnntcctcc ntcaccncnc ctncccnang ggngggnagt nngtnnggna      120

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tctttccctt tnagncccca taggagccgc atnacanggc ccccgctccn gcatctagtt	180
ggntnccccc gncctgcan gcantctnca taantatgca tttttttctc ttctcctccg	240
gnggncncnc nnttatntca ngncctcntt atngatnaac cnnnnntnnn ntntncntna	300
tnngnngnaa accttntanc nngatttntt atgnnnnnat nacntntnca ngannnctng	360
annntatnct ngcntngnan anaatccann ttaaaggccn agnnnnnanga atttnaatnn	420
ncngccaatc anntnnntna nnattannnn ntaaaanccc naaanctggc atcntcnnnn	480
actacntatt ccttntatn annngcangn taaannnnnn atctatnaan gnccgcangc	540
nnncccanat ncnttatagc ngtnccnaaa atnnnnccggg ncgatncnac ntcnctcncn	600
canantntac ctngctnnn anttntntat annnanttng nanntntatg nnnntntna	660
nnntnattga nnntnnngnn gganaggngn cnnnatannn ntncntttnc gacnccngc	720
ncnnngaant cagccattct naattcnncg nncgtttant agnntcgant tcnantnnaa	780
ctacggctcc taaactcccc ntntntannn ngtcantnnn tatcggtatt natcgcgacn	840
ccgannattt nttgtactt cgncanncta ntcnanggac nacantaaat ttancncnac	900
nntcngatan ntttanntng ntgnnacnca ncncatnnn ntatncgtta ctttacctct	960
ncngtcggag cgncangcct anntcnttcc tantcntaan cctnttcgcn nnncntgacn	1020
cnaacnncnt ganatnnntt atncataant tangtnngct atacnaacgn nnanttnctn	1080
nncacgcnga aannncntnc nctctntcct ntnactnanc nntccngaa ccanagtgt	1140
ngtnanantg tncatntnt cngtnannct ntcnnntcaa cttntncata tncnngctgt	1200
ggatgctccn atntgnnaac aatacgnacn nccncntgga ntcnnncnant gnncgnactn	1260
tanacngcna cncataatn nacgncgntn ncttcatacn cnacncacnt atnatancgt	1320
atcannctnc angccagann cncgncatag ngtnntngat cacacctgcn ntnngncata	1380
ncgcatntac ntgtncatcc naccnccata tngtntttat tattcgcnnt gtggatncac	1440
acgaanana ctcgnnactc tcatnannct nagtntcatt ntctntatct atnatgncng	1500
nacanntacg tcgatatacg nntgctcnnt tatcttgnt tcgacatnat gtngnaatgc	1560
tagtggnac tnttnannt gtgntctttn atactacgga gcannanaca cacactcnat	1620
anagtantga tatcactagn tccc	1644

<210> 1360
 <211> 1620
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1620)
 <223> n is a, c, g, or t

<400> 1360
 ttttgaaggn cccntantnn gtggangttc ggtcatttaa caaggtgtn tttcccanan 60
 nantacacnc nagegntan nnnntntang agcattctna ttntcactn tangtnntta 120
 atcatnacgt agntntctcc gagancctgc nanaatcatn agcnnnacnn tantntana 180
 cggggcnntn acntgnctan tagtgnnca nncagnanag natnanaggc gacncntnga 240
 naggacgttt natgngacaa nagganttga gaagctncga atgngnatcg caannngnga 300
 nnnatgacac tcnnangacg acnatatgag annanantnn nnnnnagtnc nngnntntan 360
 ntangtagtc ttngntgtn tngntgancn nangctntng gagagttnan nngnagtgn 420
 cgtcttgtnn nntgnggann ggantgnga gtaggnatat nnagttcgtc ggtttcnngt 480
 gnctacgaga cnannncgan tncatnngnn atntngtgag nntnanctng tcgaagtnc 540
 ntcnnaacgn ntatnnatnc tcntaagaca ntacangatn nngatngtcg atganatnnn 600
 tattantnnc gcagcnaggn gactcgngtn gtcgtnntgc antcnngnn tgnccnnnat 660
 nangagtant gannannnnn tncgagttna cgacactaac nnttgaata nnctnnanta 720
 ntnnnagcga tgntnnaacn tttaatngtc ngcanatntn tnntnagcan nacngnnacn 780
 aanngatgac gcatgnnntg tcnnccnnta agtnntnttg tnnngnnnnnc gtcacnntgg 840
 antnttnnnn ttntntgnnt ctncncncnn tctngttng tnggtannng ngnagaagan 900
 ctcaacnanc ncttacnatn ntcttacnta tngtcngncn gatnnntgng nntnnaancg 960
 ngannatact gtnnnaantn cgcancctgnc natgtancnn tannnnacga ntnnnanatn 1020
 ntncaannnt acgnantcna ntnnttnngn ntacntntcg tntctctnan ngncnatnan 1080
 tgannacgga anntcngtnt atnggcgnt gctngacttn aacnaccnnn nngngaattn 1140
 gactacnntg gangagntnn ggaaggnact ancncattg catantnta tnagagncnt 1200
 tgnttnnnntn tncgtaantg tatnacgana cctaaggggt cgntgacgng taccngtgng 1260
 tnnncgacag nangtgncng acgnnntang gacgcntcga natagtant ntnnatccn 1320
 annntagacn ncnnttaggt natangnacn gnnggannac ngtangatnn ncnaacgnan 1380

caacnttntg tagtntnctt nnctnnangg ancgannaaa nnnngacnct nnnaacngaa	1440
gcaanatcna aantgagcga cntatgtacg nnacgnatgc acnnacggaa tgcnaacgnt	1500
cnaacggaaa gntttnnnng nnacgtatth aangtnngtn ncggnagnga anngtangta	1560
gnngnacgnnn tcgaacggat gcnagtaata cgnanntntg ngacgtnaat tacgcnacgn	1620

<210> 1361
 <211> 1043
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1043)
 <223> n is a, c, g, or t

<400> 1361	
gncctantag tggagtngta ttncatcgta ttacactcta naactagtgg atcccccggg	60
ctgcaggaat tcggtcacga ggaccantga caaagatagg antacanngt gtattaggnn	120
ancntcatt cttgcactaa gcaccagaag actnganaaa tctaaaaaac aaaaaaana	180
nctcattnaa ctaggataat tcaaanggaa tattaaatcg ataaaaccag gactcacntg	240
ccaaagtncn catcangggga cgctcacatn tngtttcctt ccatataaaa cttgttnngcc	300
gctatattna aagccttttt tccaaatatt ttcattgant ttctgcnaga tctanagctc	360
tgctcagtgc ctctacaaaa cagngtacaa ttnttatact gcntnganaa tccccccggt	420
aanaancatg tgcanctntg caanantttt tgctcaaaaa catnantgac ctgagagcaa	480
ctnnccctttc tattcctaata tgctacctac aggaccagca gggagaantn tccccctttc	540
cccnncanag aataactgtna tgcaattttac nnnnnggatg cntnaggcct tgntgaaaat	600
tgangcctca ccctgaaatc nataagcct cccagggga agnnaattct ctncngcttc	660
tgtnctaaan tngtnccncn tnccttagtn ngtacantcc acttttncgg gcaatttttn	720
attaaancaa aaatncttgg tgtncttttt cntagaacaa nctattatat tcatttttcc	780
ccncatttnc tantnaaaan cccannnggt ntaccttnnn taacctcta aaaaatctgn	840
cacttttccn gggcnaanaa aggntnacta ctttttctaa ggngataatn caanattccn	900
ttntctact ngtgtgggnn ttaancntct ctttttaggca angngngtcg tnataaaaaa	960
cngnctnctc tcccgaanng tnnnttgnen cntgnntnan nntttttcga tattnaanaa	1020
ntntttcccc ccngaccccn gcg	1043

<210> 1362
 <211> 1049
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1049)
 <223> n is a, c, g, or t

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<400> 1362
ttgagncctn ntagtgnggt ngtattacan gtgnnggaen ntntagaact agtggatccc      60
ccgggctgca ggaaattncg gcacgagggc nanntgggtc accagcagct ctactgganc      120
cntgctntaa aattcggcca gggttcttnc tcttgccggn tctgctccaa ccgncacggt      180
ctgacccctna aatacngnct caatatgtgc cnccagtgtt tttccanctg cataaaggaca      240
tcggcttntt taatgcacag ctgncgggacn ccanggtctc ctgtttcagg gagngngcgac      300
aagccggtan gntngncgtc ggcnnntgat catttgcneg gtcttctctn tccctagcag      360
ggctntncct ttgtntcggg acaacacant tnanaggcac cgngnttctt ttnaananga      420
ntgaggagng angnanngc cnnncancan ntagtatnnn ntaanacctt tttacccatt      480
ntntgcnagt ttntaggtgc tataatntcta tngnannaan aaaacnttac tttttcacia      540
ntcnctaata atgannccnt tnantnccct taancattat nttgggataa ttttttcncc      600
nttaananca tgcctttgaa ncgtttttcc ctntttattc acccgancta nggatcatgt      660
nccncnccct tgagnggtnt nnnctcntgn antnnacccn tttttaagac ntcanaaggc      720
ttcnctcaa tnnagactatg gccttcnnaa actttcggcc ctaagggtccn ttaaangntn      780
anncttttnc ccncgatnna anaantgann tncctanggn ntcnattgaa nanaannncc      840
ttttgtnaaa ccnntnttcc tttacntcct caaataanca actttnaaan tttnannngc      900
nnttnttttt nncttnnaaa aaantaanna acnnccctngg ccccntctgt aaggaaacta      960
aaaanccctg cccncctctt ctntntttta tttnccaagt nntnnacgcn tctcnnttgn     1020
gttnaatatt aaaacncttg ttntntnecg                                     1049

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<210> 1363
 <211> 1049
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1049)
 <223> n is a, c, g, or t

<400> 1363
 ttgagncctn ntagtgnggt ngattacan gtgngggacn ntntagaact agtggatccc 60
 ccgggctgca ggaaattncg gcacgagggc nanntgggtc accagcagct ctactgganc 120
 cntgctntaa aattcggcca gggttcttnc tcttgccggn tctgctccaa ccgncacggt 180
 ctgaccta aatacngnct caatatgtgc cnccagtgt tttccanctg cataaggaca 240
 tccgcttntt taatgcacag ctgncggacn ccanggtctc ctgtttcagg gagngcgcac 300
 aagccggtan gntngncgtc ggcnnrtgat catttgcneg gtcttctctn tccctagcag 360
 ggctntncct ttgtntcggg acaacacant tnanaggcac cgnngttcnt ttnaananga 420
 ntgaggagng angnganngc cnnncanctn ntagtatnnn ntaanacct tttaccatt 480
 ntntgcnagt ttntaggtgc tatatntcta tngngannaan aaaacnttac tttttcacia 540
 ntcnctaata atgannccnt tnanntccct taancattat nttgggataa ttttttcncc 600
 nttaananca tgcctttgaa ncgtttttcc ctntttattc acccgancta nggatcatgt 660
 nccnccct tgagnggtnt nnnctcntgn antnnaccn tttttaagac ntcanaaggc 720
 ttcnctcaa tngactatg gccttcnna actttcggcc ctaaggccn ttaaangntn 780
 anncttttnc ccncgatna anaantgann tncctanggn ntcnattgaa nanaannncc 840
 ttttgtnaaa ccnntnttcc tttacntcct caaataanca actttnaaan ttnnannngc 900
 nntnttttt nncttnnaaa aaantaanna acnnctngg cccntctgt aaggaaacta 960
 aaaanccctg cccnccctct ctntnttta ttnccaagt nntnnacgn tctcnnttgn 1020
 gtnnaatatt aaaacncttg ttntntncg 1049

<210> 1364
<211> 948
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(948)
<223> n is a, c, g, or t

<400> 1364
naaaagctgg agctccaccg cggtaggcgc cgctctagaa ctagtggatc ccccgggctg 60
caggttcctg ttaactctta ataaacttac acatgcaagc atctacaccc cagtgagaat 120
gccctctagg ttattaaaac taagaggagc tggcatcaag cacacaccct gtagctcacg 180
acgccttgct taaccacacc cccacgggaa acagcagtga caaaaattaa gccataaacg 240
aaggttggac taagtatat taattngggg gggtaaactc tcgtgcccgn ccccgggggg 300
ccntccaata ancccanntn acangnnntc cgggttaaag gnggtaaagn nccntaccna 360
atangggtna attcttactn anctggnaaa agncntgnnt taaatnaaaa tnaatgncga 420
aagggnccct nccatnnncg ncnncntn nntnanancc naactgggan tananncccc 480
antttgntta nnccttaacc ccgnttattn ccttaaccaa attattcngc ngannnctnc 540
tnnccacngn ttnaaactna aaggacntgg ngngnnntta ttttcntnta gangnancng 600
gtntnatatn gataaaanccc gntaaacctt anccaattnt tggttatacc gtntatttac 660
cggcattttt aacnaancct taaaaaaaaa aaaaaaaact tngggggggg gcccgggnc 720
caatttcncc ctttagnggn ggnnttttna nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc 948

<210> 1365
<211> 972
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(972)
<223> n is a, c, g, or t

<400> 1365
ancaaagctg gagctccccg cggtaggcgc cgctctagaa ctagtggatc ccccgggctg 60

caggaattcg nnancaagct nnnccctacc nncnacctcg nagnnggncc cgcccccta	120
ggantcccta tgnctgagtg ntattacaat caggtacaac tgcaaganan nacnttggnn	180
nnnanccaag ctggncttat ancaagcaan ctgnntctat gatannngnt cttaacatga	240
tgaccctntt ntagagcanc cagatcacia tgaaaacatc nctnctgtan ngntctggcc	300
catgatgnta tntcctcant atcnntctga ctcccagcaa tnaatataca gcgtngcana	360
aaaaacaaat nccacttggt ggggggacct gngaccgaag taanccttag atgntgtnaa	420
gaaacagcct tgcatacgng cctggaatgt tanctncctg aatcaaggtn anttgaaaat	480
gntcaaatnc gacatgctcg agngaacata cncattttac gaactcnggg gacctnaaat	540
gnactgggaa tgggtgaact taacttcana taaccattat ttctacttcn gggggngggg	600
aattctttat aanaaangga nttncnttat ggccaccaa aaattttgaa atgcanctnt	660
tgggtgcatn cttaaaaacg gcgggaaaga tcnctggtca tttccanggc cnttcnttc	720
antatnacan aanttccaag gctttncccc ccccaantn ttctttgttt aanctccggn	780
ttgaacaatt tttgggaaaa acctaaanaa acccttgggg aacttaacaa tccccnaag	840
gaatntcctt ttttcccnna ccnagggann ngnancccc gtttttcccc aaatttnaag	900
ggcggggntt ntttttttg gttttaaccc ccnngggga nttcncctt tggggaaaaa	960
aaaaaaaaacc cn	972

<210> 1366
 <211> 1367
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1367)
 <223> n is a, c, g, or t

<400> 1366	
ttttgaanca ccattctgga agctccactc gcgagtggcg gctcgnctta gcaactagn	60
ganccactcg gnctgaanna aattcnaanc ccnangattt tntntcccnc ccanttacan	120
cnncagcanc cnnnctncaa taggggggan cntnttnnaa aacatcnnt taaancncn	180
ccccntcac atcntcnnc natctnnttc cnnnccttcc anannannt cctcnnann	240
actaaanac cncctannan canntatnta cntnnnnata atnccnnntt tccntttntc	300
tcacaataat ncgaanatta taatcatnan ncnccnaanc ncnacanan cnatntnnn	360
cnaattcgaa annttcnntn cnaanagcnt aaacnatnan annnatnnn ncnctnctn	420

ananntaacn acnnatncaa ntcnccccac cnnnanaana atncacccac ncaccctaaa	480
nntacnatnn atncnnacn ntaanannat tccttctcac tancaattna tnatactat	540
ngnnnnncgc tntanntnn tnaaaanctn nttnanattnn ccaatctca ctcatngct	600
ncccanttcg ncntnaatnn tncattacna ccanncgnc ctnnccntca tatctnnntn	660
cncnatnccn cnnnatncat acanantcnn cantgaaccn ttaattntnn nntnaccnct	720
nnanncncaa tcacctanca nanttnnccn cctcncctt nactanaeng ccnntcaann	780
cncatctnat cnannanccc ctaactannt ncttcnnnt ncanctcnac ccnagnacct	840
attaacaacn nnnaaantnt naattacntn tannacnaan atctacaaca tatcagatcn	900
nctttcnntn accacctacc atantantc natcatcttc canacaatcc tnnccctacc	960
tnnntccnac cnnccaccn ncnccaccaa tcancnatca cnnnnacctn cactantatc	1020
ttactannc aancanntca anttctctct attaacanca atccnctnc ttcncanca	1080
aanatcanan ncacacncan cncntttnc nctntnnna acngcctagc ccncaatnnn	1140
ntcancntcc acaacantna ctacacata cncnatactn aaacnnntna gacnacttn	1200
ttncncanac cattncagtc ctacncnntn tnatactat ntgtnacnta nacncaact	1260
ctacnanata cantanaccg ntantcacac nacngnnaca cnnacacaca ctcgtnntan	1320
tacaancgnc acctctctn ngngnnncan tcgtcnctac antcgcc	1367

<210> 1367
 <211> 932
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(932)
 <223> n is a, c, g, or t

<400> 1367	
ttnnacaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcagggt cctgttaact cttaataaac ttacacatgc aagcatctac accccagtga	120
gaatgccctc taggttatta aaactaagag gagctggcat caagcacaca ccctgtagct	180
cacgacgcct tgcttaacca cccccacg ggaacagca gtgacaaaaa ttaagccata	240
aacgaaagtt tgactaagtt atattaatta gggttggtaa atctcgtgcc agccaccg	300
gtcatagcat taaccaagc taacaggagt acggcgtaaa acgtgttaaa gcaccatacc	360

aaatagggtt aaattctaac taagctgtaa aaagccatga tttaaantaaa aataaatgac	420
ganagtgacc ctacaatagc cgacgcacta tagctaagac ccaaactggg attagatacc	480
ccactatgct tagccctaaa cacagataat tacataaaca aaattattcg ccagagtact	540
actagcaaca gcttaaaact caaaggactt ggcggtgctt tatatccttc tagaggagcc	600
tgttctataa tcgataaacc ccgataaacc tcaccaattc ttgctaatac agtctatata	660
ccggcatctt cagcaaacc cttaaaaaaa aaaaaaaaaa acttgggggg ggggcccggg	720
ancccaattc gccctttaag gggggnnnnn taaaannnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nn	932

<210> 1368
 <211> 1005
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1005)
 <223> n is a, c, g, or t

<400> 1368	
gcctatnngg agnngnatna caagggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggagaacc tgagcaaaga ggagctgata gccgagctgc aggactgtga aggccttatt	120
gtccgctcgg ccaccaaggt gacctctgac atcatcaacg cggcagagaa gctgcagggtg	180
gtgggcaggg ctggcacagg cgtggacaac gtggatctgg aggcgcaac cagaaagggc	240
atcctgggtca tgaatacccc caatgggaac agcctcagtg ctgcagagct cacctgtgga	300
atgatcatgt gtctcgccag gcagattcct caggcggcgg catctatgaa ggatggcaag	360
tgggagcggg agaagtcat gggaaccgag ctgaatggaa aggtcctagg aattcttggc	420
ttgggcagaa tcgggagaga agtggccacc cggatgcagt cctttgggat gaagaccata	480
ggctacgacc ccatcatctc gccagaggtc tcggcctcct tcggtgtgca gcagcttgcc	540
cctggagcag atctggcctc tctgtgactt tatcactggg gcacacacct tctcctgccc	600
ttcaccacag gcctgctgaa cgacagcacc tttgcccagt gccaagaagg ggggtgtgct	660
ggtgaactgt ctcgaggagg gatcgtggac cgaaaagggtg cctgctccgg gccctgcan	720
tccgggtcag tgtnccttggc gctgcncttg gacgtttttc accggaggaa ccaccccg	780

accgggacctt	ngtgaacctat	tgagaatgtn	atcaacttgc	ccccacctgg	gcgnccagcc	840
accaaaggaa	gnttaaaatc	ccttgggggg	gaaggaaaac	gcccttccat	tttttgga	900
tggggaaaag	ggaaggccct	tggccggggg	gttttaanng	ccaagccctt	ncngaatttt	960
ttttcacanc	cccaaccttg	ggncaatctg	ggttaaanct	tttng		1005

<210> 1369
 <211> 1108
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1108)
 <223> n is a, c, g, or t

<400> 1369	
ggcctatagn	gagtcgnatt
acngggg	ccgctctata
actagtggga	tcccctgggc
60	
tgcaggannn	aaagatgcnc
atltaccaga	cggcccntgc
actaanagac	cntgntgggn
120	
ggncttgntc	tccgctggga
ancactntnt	gtagaaannc
nngncngaaa	ctantatcta
180	
gcctgganca	cctncctttt
nccangaggg	gatttcattn
ntgtggatta	ctctggttgt
240	
cctnaaaaanc	anatgccnnn
ncatchanga	acanannagn
gaganntnnn	gactnagntn
300	
tttnaccag	ancnaccncg
ctntnggatt	ccncagattt
gnatgcnngn	gcagccntca
360	
ntngcaaaat	cntnangaga
gcttntggcc	ggngaaanan
natntaanat	nanngaattt
420	
atcccngntc	ncgantcnaa
gntttgannn	ntnttgtnnn
tgatagtngn	gtgttncntn
480	
nnannnnctn	cnttttactc
ntttcctnnn	cgatnnnnncg
ggcnnnnnnn	annncgtcnn
540	
ngcctnggct	ntatagcgtn
tantnnncnt	ntntctnnnn
tnacannntn	cgatnnannn
600	
atnannngct	ccgctctcan
tgcnnggattn	ataannnnntn
tgnnccnct	nttatanatc
660	
ttcncnctca	ntntnnnncc
tttttnccn	cntactnnnc
tctnccgtnt	cttgaanna
720	
ntntncnncc	cntttttccn
cntnatnnnn	tatttcnnnn
anncctccc	ctggtngnnn
780	
ncntcantct	nctgactcnc
tantcttnat	tantannnan
tagttacatn	cnnnnngtna
840	
ttntctanan	ttntancctg
tcacgntntn	nnncncgta
tnnntagcaa	tctctncaat
900	
nnncagtgan	nntangttcc
tcnacgatch	tnctctcgac
ntggtagtag	gtnnctcgta
960	
taannncngg	nttgncnct
ntattnntn	natactnttc
cttgacgten	cntnngancn
1020	
nngctngaag	gtcntngann
aantntccna	tnactagcna
ngtctccgat	gatgaccngc
1080	

tntcttnnag cncnactncc gngnacct

1108

<210> 1370
<211> 988
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(988)
<223> n is a, c, g, or t

<400> 1370
gccctatang gagntgnatn acanggggcg gccgctctag aactagtgga tcccccgggc 60
tgcagggcag ggctgaggca acggtgcca cctccggct ctctctctgc tttctgcgc 120
ctccgctccg ctctccgccc gccgccatga cggaacaggc catctccttc gccaaaggatt 180
tcctggccgg gggcatcgcc gccgccatct ccaagactgc cgttgccccg atcgagcgcg 240
tcaagctcct gctgcagggtg cagcacgcaa gcaagcagat cgcggccgac aagcagtaca 300
agggcatcgt ggactgcata gtgcgtatcc ccaaggagca gggcgtgctg tccttctggc 360
ggggcaacct ggccaacgtc atccgctatt tnccacgca agcgctcaac ttcgctttca 420
aagacaagta caagcagatc ttcttggggg gcgtggacaa gcgcacgcag tttctggagg 480
tactttgcgg gcaacctggc ctccggcggg gcaggncggg gccacttccc tgtgcttngt 540
ctaccgcct ggattttcgc ccgaaccgc ctngcgcccc gacattgggc aattcggggc 600
agtgcgcgc agttnannng gccngngaga ttgncctggt gaagaatcac ccaattccna 660
cggcatttcn gcnggctgna ccaagggcct tcaacngnt cngtgncagg gccatcaatc 720
atcttnccnn ngccggcctt actttcnngn atntactaaa acctcncaag ggtatgtctc 780
nnccnaancc ccaangaaca acgcannatc ntgggtngan ncattngtat gaatcncnc 840
ntananccgg tgacngagtc ngantgntgg gtcttggtnt tttctacccc nttttanna 900
nccgntttct gctngggnc atttaataan ttcatnnttc ngngggcnca angggaancc 960
nnnantntct ttctccntag ggncgccc 988

<210> 1371
 <211> 965
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, c, g, or t

<400> 1371
 ttnnagccta tanggagngg natnacaggg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga aattcggcac gagggcaaca tgggtcacca gcagctctac tggagccatc 120
 cgaaaaaatt cggccagggt tctcgttntt gccgggcctg ntccanccgg cncggccnga 180
 nccgnaannn cggcctnann angnnccgcc ngggttnccn ccagnnnnca aagnnnnntng 240
 nttnattnaa ggacccnngn ngccccnnn ggnntcnngt tnaaggngg gccaacancc 300
 ngnanttnng gggcngggnt tgnanaatgg cngttttntt ttttaactat acnaggnttt 360
 ttcttttgta cngacacaca cacantgaga gaggnngcn cntcatatnt ataatagata 420
 tgagaggggg atatganaag cgctgtgaaa aaatatattt tttctataac ctctttacac 480
 anatcttggtg anatttatag gcnntatntn angtgngggn anacanaann nttnacaaan 540
 ntctntaatg agacanntta tcaactctaca tatntcgtga aanttcngna aaaaaaannc 600
 gnnnncnct gtcctnnnaa acanaatatg ggcatntgta gagntctngn tgtttggnn 660
 canataccct tttagnaaga ancaagactg tgttttataat actataactn ttgtggacaa 720
 nctcananaa aataattttt cttgctgaaa aaanaataat aagggtggtg gaaaaaanta 780
 ttatgttgac gggttnttgg gttgcttnca aaaaacntna aaagggtggt ggggtgtttt 840
 tttannagga agaaaaaatt tnttactggc tgctttttna aaaaaaaaaa actggcncta 900
 cctttttttt ttnatnaatn aanaaanncc nccnnngttt nttaaaaacn attttttttt 960
 nanan 965

<210> 1372
 <211> 965
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, c, g, or t

<400> 1372
 tttnagccta tanggagngg natnacaggg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga aattcggcac gagggcaaca tgggtcacca gcagctctac tggagccatc 120
 cgaaaaaatt cggccagggt tctcgttntt gccgggcctg ntccanccgg cncggccnga 180
 nccgnaannn cggcctnann angnnccgcc ngggttnccn ccagnnnnca aagnnntng 240
 nttnattnaa ggacccnngn ngccccnnn ggnntcnngt tnaaggngg gccaacancc 300
 ngnanttnng gggcngggnt tgnanaatgg cngttttntt ttttaactat acnaggnttt 360
 ttcttttgta cngacacaca cacantgaga gagngtngcn cntcatatnt ataatagata 420
 tgagaggggg atatganaag cgctgtgaaa aaatatattt tttctataac ctctttacac 480
 anatcttggtg anatttatag gcnntatntn angtgngggn anacanaann nttnacaaan 540
 ntctntaatg agacanntta tcaactctaca tatntcgtga aanttcngna aaaaaaannc 600
 gnnnncnct gtcctnnnaa acanaatatg ggcatntgta gagntctngn tgtttggncn 660
 canataccct tttagnaaga ancaagactg tgttttataat actataactn ttgtggacaa 720
 nctcananaa aataattttt cttgctgaaa aaanaataat aagggtggtg gaaaaaanta 780
 ttatgttgac gggttnttgg gttgcttnca aaaaacntna aaagggtggt ggggtgtttt 840
 tttannagga agaaaaaatt tnttactggc tgcttttttna aaaaaaaaaa actggcncta 900
 cctttttttt tttnatnaatn aanaaanncc nccnnngttt nttaaaaacn attttttttt 960
 nanan 965

<210> 1373
 <211> 980
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(980)
 <223> n is a, c, g, or t

<400> 1373
 aaaaagctgg agctccaccg cggnggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggggagga ggcgttgag tcacgggtca gcgggagcca gcaaggagg ggacagccac 120
 ggagagctga ggatgaggat tcggccccgg gcgctcaggc tctcaggacg ngcctgtccc 180
 agggccagcc tntgagctcc agcaaagccc cgacccgntg cggccntatt gtctactctg 240
 canactgtcc gacccagggt nggngctgtg cctgcaggag ggcgggcccc ggnatcgntg 300
 anccaccatn ttaggacttg agaggccccg ctggggacca cgagacnaac ccccagggt 360
 cagctctgga ttcaccgagg ccactcttg gggctgtctg ctgcttgggt ccttttcggg 420
 accccaaccc ttccaggccc ttttttgcac actttttccc ccttcttgcc catnttcccc 480
 gnantgccgt gccaggcctg aaggtggtgg gntgggtaaa ggctnancca ttaccatttc 540
 acacctgtcc caaaatntga taccctgca aagggaagg accacnctgt tttccnaatg 600
 aaagtntttn ccaaaaaana cctgggtttn ggnaanaatc ctttttcttt gctttcaatt 660
 tttccnaagg naaaacccca atcctgaaaa tntttaccct nggggaggga aaaaaaccct 720
 tgaattccna aaaaaacaaa cccttaaaaag gggtttggga gganggganc cttggggccc 780
 tggnaaaggc ccntttggg gccntttgtt tttctttctn gggagggaaa cccgggnttt 840
 tccccagggg ggggtttggg ccnttttgn aaaattnnaa aaanttnggg gcctngtttn 900
 cattggnaaa aaaaaaagnt ttttttcccc ngnaanggt ttaaaaagga aattttttn 960
 ccccccnaa aaaaaanggg 980

<210> 1374
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

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<400> 1374
ttnancaaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcggcacga gggtaagca cacattttan gagaagctnc ctgctcatct 120
tgtgaagggtt actgctgacc acaaggagca gatggctcca ttactgatgt tagtgctttt 180
ccagatatga gaagatgcaa gaattaggct cataaaatct cctgaaaata tccacctggt 240
ggcgtgttct tccagggtttt cccagagcac agagtacctc gttctcgatc tccaccttga 300
actcctttca ggggtgtgta aggtcagtgc ctgcagtggc tagtgactta atcctttag 360
aggcagaggg cgactgacac tttttagctg gcaatggctg ggattacacg gcagagtcca 420
aattcagctg gagggcccagg acccccagac ttctcctcag aggacgggtca gggcctcagc 480
tgccagtggg gtggcgaccc tgccgtgcag tgggaagggc tgggttcttg gttccccctt 540
gaaaagtggg gttctagcca gggaggcacc ccgtagccc ccttgaccca agggtaggaa 600
ggangtcctt ggganggacc ctntgnctgc acatcaagnt ttaccgngac ttttactgga 660
gtcggcaaca ccgtaaatta aacacgtgct tntttctnca atccanggtc ttgggcaggt 720
gaaggaaata ggccatttta aaaaaatgct ttgnaaggga ctttccctgg gggggcccaa 780
tgggttaagg aactttcncc ctttccaatg ccaggggggg ggcaagggtt tgaatcccct 840
tgggccaggg gaacttaaaa atcccccat ggcctttgng gggccaaaaa aggcccaa 900
tcttttcttt ccnnaagcc cncnttnnt naaccaaag gccaatnaaa anaacttttt 960
tnaaaggnaa aaaaaaaaaa t 981

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<210> 1375
 <211> 992
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(992)
 <223> n is a, c, g, or t

<400> 1375
 ttnnncacaa gctggagctc caccgcgggt ggcggccgct ctagaactag tggatccccc 60
 gggctgcagg aattcggcac gaggntcaat cgcangtttt nanagaanct ggctgcntnt 120
 gcagcnnctn nnaccgntng acccagggnan cntnnntntn nctnactgnt nnnangncna 180
 ttccatnggc cataatntcnc cntactntcg cacntttttt nngccnacac antggnacag 240
 ntgnctgntn antctnggtc ctggaggann tganattant agnancctat ataanccttt 300
 gtactccttt aaggaccntn gcngnaattg nctgcncna naaaacactg nnnntngat 360
 natgattnng gngatntgan tcttccataa tagncaatgg ttgaanaaca cgctttatga 420
 ncttatcagn ccgtnggcnt gcaacncnat nntttttcat tttaggaccn tctaagtctt 480
 nanttgcnna tgctgggaaa nncatncann canganncaa gggtcnggga nagctttccc 540
 ctttganaga tgggattgaa gnaaagaaaa atncctngt tcttntgtag ctccaangtg 600
 aggaatggaa aaaacgtgnt nggcttcgta tgccatgcgc acccnnatnt nctttattnt 660
 gnactgggtc nttaacctct gaaaataccc acaggacgtg gataantnt tggcctttta 720
 ccnngggagg aaaagggcca anaaacaatt caaaaccttn nccttaggaa ggtcccttaa 780
 ntngnnggct tgccatgggg tntnnaaaat ttanccttgg ccncnnngg gggttgccaa 840
 ttngggaaaa ctttgccctt ttgggnttna aaaaaacngt ttttncct ttttggggnn 900
 nnnnccnna aaantttttn ttnagggggg ggcncctttt ttnaannnnc ccctnttnnn 960
 nnnnnnnnt taacagttaa nggnannttt tn 992

<210> 1376
 <211> 1054
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1054)
 <223> n is a, c, g, or t

<400> 1376
 tttgaacaac agctggagct ccaccgcggg gggcggcccg ctctagaact agtggatccc 60
 dcgggctgca gggttcctgtt aacaggngnn tnnangagnc atgcaaaacn tcnacacccc 120
 atagggnatg cnnnnnaagn tatnaanact aagaggagct ggcatacangc acacacnctg 180
 tancacacga cncnttgctt aaccacacccc ncacgggaaa cancagtgac naaaattata 240
 gccatatacg aaagtttgac taagttatat tanttagggg taggtaatat ntngtgccag 300
 ccanctgcgg ncatacgatt aaccccnctg aacangggagt acngccgtaa ancngtgctn 360
 naggaccata ccaaataagg tttaaattcta actaagctgt nanaagccat gataacnana 420
 tnanntantg acnanangng acnttacant tncngacag cactatatnt aagaccana 480
 actggngatt agntctccat tntgcctaan cctaannaca ttttattaca tancacaaca 540
 attntttcnt cagaantnct actatcaacn nncctttataa acnttanagg acttttgng 600
 nnnngctttta tattncattg tttnnaaggan gcctgntnt attnattcng antnaaanca 660
 cncgatcnaa ancttttccc aattcnttnc ctantntcnn cnttntnaaa cncggccatn 720
 tttcatctaa ncctctaant tgataaacia aaaannnata attnnnnngtg gngggggncn 780
 cncnngatcc ncnnaattctn nngctctnt ngnnnagtcn attttanaaa acgtttccna 840
 nnngtntcan gnttttnttc nncctccnca ncctntttn cncnttatnt anangntctt 900
 gntnttannt nntttcntca ntantatgtn ncnantnata cnttatntac cncctgagtn 960
 gagatnctac nctgtncnta gtatgntacg nagcgcnaatt tntacatntt cntagtnntg 1020
 ntgntnnncn ntcannatng cncngttga tncg 1054

<210> 1377
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

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<400> 1377
cctatctgga gctncaccgc ngtggcggcc gctctagaac tagtggatcc cccgggctgc      60
aggcgtgaag gttggagtct ctccagagaa gctccgcttc cgacagcaca tggagaatga      120
gatggcccat tatgcctgtg actgttgagg tgctgaatcc aaaacatcct atggctggat      180
cgagattggt ggatgtgctg accgttcctg ttatgacctg tcttgtcatg cgagggccac      240
caaagtccca ctcgtagccg agaaaccttt gaaagagccc aaaacagtca atgttgttca      300
gtttgaaccc aataaggagg caattggtaa ggcgtacaag aaggatgcaa agctgggtgat      360
ggagtacctc gccatttgtg atgagtgtta catcacagaa atggagaaac tactgaatga      420
aaaaggggaa tttactgttg aaactgaagg gaagacgttt cagttgacaa aagatatggt      480
caatgtgaag agattccaga aaacactaca tgtggaagaa gttattccaa gtgtaatcga      540
accctctttt ggcttgggca ggatcatgta tacggtattt gaacacacat tccaagttcg      600
tgaggggagat gagcagagga cgttcttcag tttccctgcc gtagtagctc cattcaaagt      660
ttccgtcctt ccattgagcc agaaccagga gttcatgcca ttcgtcaagg aattatcgga      720
ggccttgacc aggcacggca tcttttacia agtanacgat tcctcaggat ccattggaag      780
acgcttcgcc caggactgga tgaaaatggt gtggcttttc gcataccctt ggacttcgat      840
cnagngaacc aanacctca cacgggccct tttgcgggga ccgagacttc ctgccggaaa      900
atcanaacca naagtctntt gaacctggcc catgttntcc gcgatttggn caatggcaac      960
nncntttggg cggatntgga ggcccaann                                         989

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<210> 1378
<211> 988
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(988)
<223> n is a, c, g, or t

<400> 1378
nctatctgga gctccaccnc ngtggcggcc cgctctagaa ctagtggatc ccccggcctg 60
naggttnaga agngnccatc tcccagacgg ccctgcanca naagaccctg aggggtgncc 120
tgtgctccgt cggaancac cgcaggagg antgcctggn ggaaactnag atcagcctgg 180
cggacctacc cttttccagn ggggttttca ntctggggta tacntngctt ctttcaaagc 240
attgcctttg cnaaaaaata anagaggacn tgggnantcg gtttcaaacc anccaccctt 300
tgggnntcca naaantngtt cagtgaccn tttntngaaa aaacttaatg tantnttttg 360
ccgggaaaan aaatttcccc naaaaaanaa cccgngggga aaaaaaanac acangncca 420
annggantag tttncccctc taaaaggccc tnaaaaaatt ttggcccnaa agnggctcna 480
aaaaaattag tggnnnggng nactnttttg ggnaaaaaca cantcttcnc aagtntgcca 540
aaanaagnng ggccccacca ggaaaaaaaa cngttngtgc naaaaactnt nntaacaccc 600
cccccccag naaaaatnct cttnttggtg taaaaanaaa cccccccnn ncccgggcgg 660
gggnnccttt ttttttncc ccnaaaaaa acaaaanntt nnttgggcgc ccnncncn 720
tttttttaan aaaaaanaa anttggnncn ttccaaaaaa atnttnctcc cngggggggg 780
gannccann ncnnnnnggg gggnannnt naaanngggn ggggnnggn nnncccn 840
nnttnaaaa aaannttttn tnggggggna annnnnnnnn ncnnncnnn aannnaaaaa 900
annggggggg ggnccccccc cccnnnnng nnnnnnnnnn nnnntnnnn nnnnnnnnn 960
nnnnnnnnnc cnggggnnnn nnnnnnnnc 988

<210> 1379
 <211> 980
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(980)
 <223> n is a, c, g, or t

<400> 1379
 gcncatctcg gagctncacc gcngtggcgg ccgctctaga actagtggat cccccgggct 60
 gcagggctcgt cttggagggtg actcggcgtg attgaatttg cggcatcttc gcattcactc 120
 acagggtcaaa atgcagatct tcgtgaaaac cctgaccggc aagaccatca ccctggagggt 180
 ggagcccagt gacaccatcg agaacgtgaa ggccaagatc caggataagg aaggcattcc 240
 ccctgaccag cagaggctca tctttgccgg caagcagctg gaagatggcc gcactctttc 300
 tgattacaac atccanaaag agtcgaccct gcacctggtc ctncgtctga ggggtggtat 360
 gcanattttc gtgaagacct tgaccggcaa gaccatcacc ctggaagtgg agcccagtga 420
 caccatcgag aacgtgaagg ccaagatcca ggataaggan ggcattcccc ccgaccagca 480
 naggctcatc tttgccggcn agcagctgga agatggccgc actctttctg attacaacat 540
 ccagaaagag tcgaccctgc acctggtcct ccgtctgagg ggtggnattg canaatcttt 600
 cgtgaagacc ctgaaccggg gaagaccatn accctggtat gtggagccca nntgacacca 660
 tnaatatncg tgganggccca anatccagga taagggangg catttcccc tgnaccaanc 720
 anannnctta aacttttnnc ccggccaagc agcctnggaa nanngccccg canctctttt 780
 tntggtttnc cnacanttcc angaaagaag tccgaccctt tnncnaccct gngtcttncn 840
 tnctnnaggg gggggntnnc catnatnctt nctngnaatg acccttgncc ggggnanaaa 900
 ncattctccc cntngnangt gggannccca ntggatcncc ctctcnnnna acctnnnang 960
 gcccntaat ccccngnann 980

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<210> 1380
<211> 935
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(935)
<223> n is a, c, g, or t

<400> 1380
ancaannctg gagctccacc gcggtggcgg ccgctctaga actaagtgga tcccccgggc      60
tgcagggttt tttttttttt tttttccnn nggnnnnnnn aangggncnn tnttnggttt      120
tttttnnaa aaaaannntt tttcnngggg ggcntttnnn ngggngggna accnngnctt      180
tnnntttcc gggaaggggg gгнаannnn tannttnncc cnggcnnnaa antngccctt      240
ttnancnncc ccccnnttt ttttttnatt ttggttttt nnggataaan aaaacccccct      300
nttnnccggg ggnnngnttt tttttnccan nanggncntn ntttggcccn tanngggngg      360
gcccccntn cagggnnttt tttngggggg gcncccncc cnnttttccn cnntaaaanc      420
cnngcaccga ttttttnaag gggnaaaaagg gntntnaact ttccnccnt ttnnngggnt      480
tttnnggggg gnngngaaaa aacgcccncn ntttttttt tnnngggccc cnntcccngg      540
nnnaaaaang ntnttttctg ngncagacc nggggggaaa acccccnctn tnacaaaaaa      600
atttttngg cccccncng ggcncntttt tttgnnaaac cctccnaat ttttnngggg      660
gggggngggg ccccanttn ccnntaaaan gggngggggg naanacnnnn nnnnnaaaaa      720
nnnnaacttn gnnnnnnnn cnnnnnnnc ctttnccann nnannccna nccnnanngg      780
nnnnnccncc cnggccnng gnnnnnnnn nnnccnnccn gcnnggccnc nnttncccn      840
ggggaggncc nnnannnnnn nnncnnggan nnncccccn cncnnnann angggngccn      900
gncnnggna ancccggnnn nnnngncccc nnnnn      935

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<210> 1381
<211> 935
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(935)
<223> n is a, c, g, or t

<400> 1381
ancaannctg gagctccacc gcggtggcgg ccgctctaga actaagtgga tcccccgggc      60

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tgcagggttt tttttttttt tttttcccn nggnnnnnn aangggncnn tnttnggttt	120
tttttnnaa aaaaannntt tttcnngggg ggcnttnnn ngggngggna accnngnctt	180
tnnntttcc gggaaggggn ggnaanncn tannttncc cnggcnnnaa antngccctt	240
ttnancncc ccccnnttt ttttttnatt ttggcttttt nnggataaan aaaaccccct	300
nttnnccggg ggnnngnttt ttttnccan nanggnctn ntttggcccn tanngggng	360
gcccccntn cagggnnttt tttngggggg gcncnccncc cnnttttccn cnntaaaanc	420
cnngcacga ttttttnaag gggnaaaagg gntntnaact ttcncccnt ttnnngggnt	480
tttnnggggg gnnngaaaa aacgccncn ntttttttt tnnngggccc cnntcccngg	540
nnnaaaaang ntnttttctg ngncagacc nggggggaaa acccccnct tnacaaaaa	600
attttttngg ccccccnng ggcnctttt ttgnnaaac ccctccnaat ttttnngggg	660
ggggnggggg ccccanttn ccntaaaaan gggnggggn naanacnnn nnnnaaaaan	720
nnnaacttn gnnnnnnnc cnnnnnnc ctttnccann nnannccna nccnnanng	780
nnnnccncc cnggccngg gnnncnnan nnnccnccn gcnnngccnc ntttncccn	840
ggggaggncc nnnannnnn nnncnnggan nnncccccn cncnnnann angggngccn	900
gnncnngna ancccggnn nnnngncccc nnnn	935

<210> 1382
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1382	
aaaaagctgg agctccaccg cggtagcggc cgctctagaa ctagtggatc cccgggctg	60
caggaattcg gcacgaggaa caacgcctg ntntntnn ngaannngan cnggaaagcc	120
cnnnncgnat ncgantnan gctgancggg accgaactac agnnnnnacn aangcagcct	180
gatgtnacac atngnnaccc atnatntct actgtcncaa tcnacatgta ccannangca	240
tgngccnagc ngntanacc ttgatcaagt taatgctatt gangctanag gntacacntt	300
ntcanancct gancnagggc cttgggaagn anntgcgnaa nctncnaann gccattnttt	360
ccncccgcn gatacagggc gagtacatga tccngtgca gaaggnnncc ancctgcctt	420
angtnaccgt gaaactgggg ggtaaggact acgcgctgtc cccanaggac tacgcgtca	480

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aggtgtcgca agccggcacg accgtgtgcc tganccgctt catgggcatg gacattcccc 540
cgnctggcgg gccggttttg atnctgggcg acgtctttat ngggcggttac tacaccgtgt 600
tcgaacggga acanaaacgg ggtgggcttt ggnccaaggc tggcccgggtt ttaacttggc 660
ccccgcttac ctggttggan tncaaaagaa gaaggcggcc caacaaaaaa aacaaaaaaa 720
agnanaaaaa antttttgct taaaatttga ctttcnagnt ngcaaccaa anncccgatt 780
atttcccaag ggcccntngg gncennaatt tngggtttcc gggggtttcc cccttncctt 840
gggggcnnna aaaagccngn nttgcnnngg ncnnngctgg gcntggncng gnnngaaagg 900
gggaagggna anccttgaa ccccaaantt gggggggnaa antttccggg gggcncaaaa 960
aancccnttt ttttttaaat ttggnaaaaa acn 993

```

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<210> 1383
<211> 936
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, c, g, or t

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<400> 1383
ttnaacaaaa gctggactcc accgcggtgg cggccgctct agaactagt gatcccccg 60
gctgcaggaa ttcggcacga ggggtgctcgt cactgatata cagngnactc cgaaaagggg 120
gagtcctctg gcaaaaatgt cactttgcct gctgngttca aggctcccat tcgacccgat 180
attgntaact ttgttcacac caacttgcgc aaaaacaaca nacagcccta tgctgtcagn 240
gaattancag gtcatnaaac cantgctgan tcttggggta ccgacagagc tgtggctcga 300
attcccaggg ttcgaggtgg cgggactcac cgttccggcc agggcgcttt tggaaacatg 360
tgtcgtgggg gccgcatggt tgcgccaaact aagacctggc gacnttggca ccgcagagt 420
aatacgacgc anaagcgata cgccatctgc tctgcaactg ctgcctnagc cttaccaagc 480
gctgggtcatg tctaaanggt catcgtatag aggaagttcc tgaacttnct ttgtggngg 540
aagataaagt ngaanggcta caaaaanacc aangaggctt gtgttgcttc tgaagaaact 600
taaggntctg aatgatatch naaaaggctc atgcctctca ncgaatgaaa nctggcaaa 660
gcaagaatna aaaacccgng gccgtatcca gcgcangggg cccttgcntc ntntataatg 720
ngggacaatg gnttcattca nggccttcaa aaacattcct ggaataccct gntaaagnaa 780

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ncaacttnac antttgnaac ctgcttcctg ggggcaccng ggaacttttt tcttttgaat	840
gaaaaggcct ttccgaaagt naaaaaaact atttgggcct tggngaaaa nnnncctcct	900
ttaaaaaaa cnttnaacct tnccttttnc naaaaa	936

<210> 1384
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1384	
tnnnnnaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg	60
gctgcaggcc gccatgggcc gcgtgattcg tgggcagagg aaggcgccg gctccgtgtt	120
ccgcgcacat gtgaagcaca gaaaaggcgc cgcgcgccta cgcgccgtgg atttcgccga	180
gcgacacgga tatatcaagg gcatcgtgaa ggacatcatc cacgaccgga gccgcggagc	240
gcccccttgcc aaagtgggtt tccgggatcc gtaccgtttt aagaagcgga cagagctgtt	300
catcgtgct gagggcatcc acaccggcca gtttgtgtac tgcggcaaga aggccagct	360
caacatcggc aacgtgctcc cgggtgggcac catgcctgag ggcaccatcg tgtgttgtct	420
ggaggagaag cctggtgacc gaggcaagct ggcaagagcc tctggaaact atgccacagt	480
catctccac aaccctgaga caaagaagac gcgagtgaag ctgccttcgg gctccaaaaa	540
ggtcattctc tctgccaaca gagctgtggt cgggtgtggt gcttggaggt ggccgcattg	600
acaagcccat tctgaaggcc ggccgtgcct accacaagta taaggcaaag aaggaaactg	660
ttggcccccg gtggccgggg tgtggccatg aaccctgtcg agcattcctt ttggangngg	720
caaccaccaa cacattnggc aaaccctttt attntttgca anaaaacccc ccttgctggg	780
ccccggaaan ggggttttta tttgttgncc cccccgaaa aggccctttt tcnggggaaa	840
cccaaaaant gggccnggaa aaaaggaaaa ccttgggggtt ggggcttnaa aaaaaaagt	900
tggttttttt tcccacctgg gaaaaaaaaa aaaaaaaaaa aancttgggg ggggggggcc	960
cgncccccc tttt	974

<210> 1385
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1385
 tnnnnnaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggcc gccatgggcc gcgtgattcg tgggcagagg aagggcgccg gctccgtgtt 120
 ccgcgcacat gtgaagcaca gaaaaggcgc cgcgcgccta cgcgccgtgg atttcgccga 180
 gcgacacgga tatatcaagg gcatcgtgaa ggacatcatc cacgaccccg gccgcggagc 240
 gcccttgcc aaagtggttt tccgggatcc gtaccgtttt aagaagcgga cagagctgtt 300
 catcgtgct gagggcatcc acaccggcca gtttgtgtac tgcggcaaga aggccagct 360
 caacatcggc aacgtgctcc cgggtggcac catgcctgag ggcaccatcg tgtgttgtct 420
 ggaggagaag cctggtgacc gaggcaagct ggcaagagcc tctggaaact atgccacagt 480
 catctcccac aaccctgaga caaagaagac gcgagtgaag ctgccttcgg gctccaaaaa 540
 ggtcatctcc tctgccaaca gagctgtggt cgggtgtggtg gcttggaggt ggccgcattg 600
 acaagcccat tctgaaggcc ggccgtgcct accacaagta taaggcaaag aaggaactgg 660
 ttggccccgg gtggccgggg tgtggccatg aaccctgtcg agcattcctt ttggangngg 720
 caaccaccaa cacattnggc aaaccctttt attntttgca anaaaacccc ccttgctggg 780
 ccccggaan ggggttttta tttgtgncc ccccggaag aggccctttt tcnggggaaa 840
 cccaaaaant gggcnggaa aaaaggaaaa ccttgggggtt ggggcttnaa aaaaaagtt 900
 tggttttttt tccacctgg gaaaaaaaaa aaaaaaaaaa aancttgggg ggggggggcc 960
 cgncccccc tttt 974

<210> 1386
 <211> 997
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(997)
 <223> n is a, c, g, or t

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<400> 1386
cnnnancgtg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60

caggaattcg gcacgaggan gacatnnnac tgcnnnnntta tgngtgcntt cctggctcct      120

gccctngggg angntgcgaa tgccntgnan canctgganc gnnatgaccg tganccttggg      180

cgtggaggac catatnacac catcntanac ntntatggng gaaggcatgc acaaannnnn      240

ctggccgacn aggaccagca acaggctgan ctttnccgnc acacaggggc gtgatactnn      300

ctatctgtna nactacacc tacganatga ggtggctctg atcttgaatc tgntgctgna      360

catnnggcng tgttngnttn ttatttncca anctctatnc anngncctng aacttncttt      420

tactncata tgttgctttc gatntaatnt tgacagccag tacnggggnc cccgnncccg      480

ttatntatnt ccaaaannct tgggaaaaaa gngtaattng accaaaaaag gatatttggt      540

tttgctatta caccaaatac agttcanatg cttattgttc tattttttta ccaatttcaa      600

tttcaaatg tctcantggt gctataataa ataaacttca nactcttcc aataacactg      660

cgttacattc tttgaatcct ancccathtt cagagcaatt gacggtgctt accattaaaa      720

agattacott nctttttgaa acagtcaagc aagaaattag aaaagaactt ctgtttcaac      780

tacottaacc tgggcagaaa cataangaat tctatgagnc caaaaaaaga aaaatttgnc      840

cnaaangccc aaaacttacg ntccttaa atgggtttta aaaaaantng aacgnggggc      900

aagaaattaa aanaaatant tttngannnn ccnttatat cttgaaantc aactggtttt      960

aaaggggctt ttnttttttn nggncattgg ngggcan                                997

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<210> 1387
 <211> 1093
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1093)
 <223> n is a, c, g, or t

<400> 1387
 gccctatagt gagtcgtatt acagtggcgg ccgctctaga actagtggga tcccccgggc 60
 ttgcaggnt nagaactcag nccccacant gnnccnncgg ttacttactg gcttgnccct 120
 aaccnnggat ggaactntgg atgctntcnn agcanactgg ggatttctnt actgncnaan 180
 accttgcatt ccggggctca aanctnaaaa acctccgatn ccaaagacct ggtnccanaa 240
 tgtccanggc caaagaacca atgtntggnn nngagaanct ntcancngtg gnaccagtt 300
 nnaatttaat gttnanggat tnaccaccan ggaaatgnnt acccaacttg ccttcatgcg 360
 nnngttggcc aaccatgcct attncancat cacctaccat tgggaagaac acnattgctt 420
 acntggatga ggaaactggc aacctgaaaa aggctgtgat tctgcaagga tccaatgatg 480
 tcnaacttgt tgtgcgaggn gcaacaanca agattcactt acactgttct tgtaatangg 540
 ctgctctaaa aagactactg aatggcntna gacaattntt tgnatttaaa acaaacangc 600
 catntgcct nctatcctt gaaatttgca ccttnggac cctcgggtgg gcgcttgacc 660
 aaggaaatca gatttaacct tttggccccg gtntgttttc caataaaact aaacctntg 720
 nccttaantt tganaagnan aaaaggggaa aatnttgga ccantttctt ntggggccct 780
 ttngatttt ttgttnttt tccnaacctg gaaaatgntg aananccttt ccctttntt 840
 tttngcnc antttttttt tgnttaaaaa ntgggtgggc ccnaaanaa gngggaaang 900
 gctttgnttc naaaancctt tgtggcctt aancaatttt aatttcncct ccncctcc 960
 ttttnanccn cnttacaaaa aaaatttggg antttttttt ttttttnaac atttttnt 1020
 ttntttnggg naaaaaggtc ncnnttttng naaaanatcc cnaaaaaant tntgtaaaan 1080
 actaccccn nct 1093

<210> 1388
<211> 956
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(956)
<223> n is a, c, g, or t

<400> 1388
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
aggcgcagga tcaaggtgag aaggagaacc ccatgcggga acttcgcata cgcaagctct 120
gcctcaacat ctgcgttggg gagagcggag acaggctgac ccgggcagcc aagggtgctgg 180
agcagctcac gggccagacc ccagtgttct ccaaagctag atacactgtc aggtccttcg 240
gcatcaggag aaacgaaaag atcgccgtcc actgcaccgt ccgtggggcc aaggcggaag 300
aaatcctgga gaaaggncta aaggngcgag agtacgagtt aagaaaaaat aacttctcag 360
atactggaaa ctttggcttt gggatccaag aacacatcga cctggggatc aagtatgacc 420
cgagcatcgg tatctacggc ctggacttct acgtggtgct gggtaggcca ggtttcagca 480
tcgcagacaa gaagcgcagg acaggctgca ttggggccaa acacagaatc agcaaagagg 540
aggccatgcg ctggttccag cagaagtatg atgggatcat ccttcctggc aaataaattc 600
ccgtttctat caaaaggtc aataaaacat tttcaatgaa atgtaaaaaa aaaaaaaaaa 660
aaaaaaaaactc gggggggggg cccgggggnc cccaatttnc nccctttttn nggggngggg 720
gnthnaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnc 956

<210> 1389
<211> 918
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(918)
<223> n is a, c, g, or t

<400> 1389
aanactggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60

ggaaaaatctc acatttgatg aaatgtatta agcataaaagt actagtctgt gtctatgcat	120
atgggaaaca gtnctaacca ggaaaatnnc nctgcnnngc ngncattttt ngtttaaaan	180
cngggnnntng nctngaataa ccannccntn agggnnnttt anccnngtaa annngnnttn	240
aaaaaanttt ngtngccnng gannaanggg cnnnaaantt ntncnanct nntanntnan	300
ggcccagggc cngancaaac cagggnnaac nnnngagaac cgcgntcctn tgtaccangg	360
ggtggcacan gtgttgtnac accctgggggt ttccttctnt tatataaggg agagagaaaa	420
aanatgcgcc cacacannac agatatncct tccacgcgcg cagtnttga tacnccacnc	480
nntgtntgng gcnnnnacnc nnnnacntgc cccctnggggt ntaaaanagn cncnnncgc	540
atctntattt tctganactc tcntntgtgt nangacantg ttttttnnaag aaaatgagga	600
caccctatng gtaaanccnc tgatgagtgt atanaccct cctgggggt ctctngngcg	660
cttcaagcgc cccctttccc caccnccca tgnaccantg ngggnggnnt ctgtnaaaaa	720
aaatccttnt ctctnnccnc ccccatTTT ntnttttnna naacnccttg ggggcccccc	780
ngccgtggng gncanagnac ttccnngcnn ggtggntttt tccccggggg gggggcnaca	840
accagcccn gaaanaaccc cccnccctca aaaaaggagg gtgctttttt naaaaacccc	900
cntntttgcc cccncnnc	918

<210> 1390
 <211> 918
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(918)
 <223> n is a, c, g, or t

<400> 1390	
aanactggag ctccaccgcg gtggcgggcg ctctagaact agtggatccc ccgggctgca	60
ggaaaaatctc acatttgatg aaatgtatta agcataaaagt actagtctgt gtctatgcat	120
atgggaaaca gtnctaacca ggaaaatnnc nctgcnnngc ngncattttt ngtttaaaan	180
cngggnnntng nctngaataa ccannccntn agggnnnttt anccnngtaa annngnnttn	240
aaaaaanttt ngtngccnng gannaanggg cnnnaaantt ntncnanct nntanntnan	300
ggcccagggc cngancaaac cagggnnaac nnnngagaac cgcgntcctn tgtaccangg	360
ggtggcacan gtgttgtnac accctgggggt ttccttctnt tatataaggg agagagaaaa	420
aanatgcgcc cacacannac agatatncct tccacgcgcg cagtnttga tacnccacnc	480

nntgtntgng gcnnnnnacnc nnnnacntgc cccctnggggt ntaaaanagn cncnnncgc 540
atctntatntt tctganactc tcntntgtgt nangacantg tttttinnaag aaaatgagga 600
caccctatng gtaaanccnc tgatgagtgt atanaccct ccttggggggt ctctngngcg 660
cttcaagcgc cccctttccc caccncccca tgnaccantg ngggnggnnt ctgtnaaaaa 720
aaatccttnt ctctnnncnc ccccatntt ntnttttnna naacnccttg ggggcccccc 780
ngccgtggng gncanagnac ttcccngcnn ggtggntttt tccccggggg gggggcnaca 840
accagcccnn gaaanaaccc ccnccttca aaaaaggagg gtgctttttt naaaaacccc 900
cntntttgcc ccncnnc 918

<210> 1391
<211> 949
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(949)
<223> n is a, c, g, or t

<400> 1391
tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
ggctgcagga attcggcacg aggaagacaa acccacacgt cccggtggtg gaaacacccc 120
atgagggcgc atcctcttct cctgggttagt atttatttca gcacctggtt aatgcggttt 180
tttattctct acctattgca ctgttgtgac ttgttgacca ttatttgatt tttgtacgaa 240
aaaaaagctt tgttatagaa atcagcatac tattttttta aacctggaga gaagatatta 300
tggtgactga aaatatggtc aggtgtcaaa tataaatgta taaaagcctt cttactggnc 360
ctggctggtc atggtacaat taatttatat tggctggcca atactgaagg ttctttttcg 420
gttggggaaa ctctaatttc tatcacngng gcatgaaatt ttaaaatcag gatttcatta 480
caggtggnct caacantggg aaacttaatt ttggcnggan cattattgat caagccaaat 540
aaanttcaac agncctttgg aggganaaaa aaaaaaaaaa aaactggggg ggggnccccg 600
nccccaatnn nccctaaagg gngnggggnn anannnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
cnnnnnnnncn nnnnnnnnnn nnnnnnnnnn nncnnnnnnn nnnnnnnnnn nnnnnnnnnn 840

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc	949

<210> 1392
 <211> 990
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(990)
 <223> n is a, c, g, or t

<400> 1392	
ttnaanaaan ctggactccc cgcggtggcg gccgctctag aactagtgga tcccccgggc	60
tgcaggaatt cggcacgagg cnccacccca ggcttggaca atggngggg acatgntcaa	120
cgccagggtt attcgaaact tgcataaacg tngcagcacc aggccttggg gaccgcagcc	180
ccctctcaca ccttcaaaat cattattatt tctatctcac acangactta gtcaaagctt	240
gccctcgccg tgtatgtatt cattcattca tttattcatt ctacaggctt ttttttttaa	300
aannanngcc aagtcattnn aatnttattt ttaacaaaa caataaagat tttttnacca	360
cgagaaaaaa aaaaaaaaaat gattnggggg ggggccnggg ccccnntttc cnntnnnann	420
gatcagaann aaangngagn ggntncccnt tncnaatgn nngcttanaa naanactttg	480
taanntngcn ccatnnancn ttacannng tcncttntta aannnaannt tatgattnnn	540
agnnttncnc ccnaatana angaatatnc cagtccnaag nnanaanctt taaaannaac	600
tnttcnntgg gggcccaggn atantanngn gacnntttna nagnnaaana antnnntntn	660
nggncnnncc tngggnnnaa cnttncngna ngnttttnna tnggnaannc annaanccnc	720
ctnnctccgt angnnnaann nnnggnnnnn nanaacannn nnnttttttn nantccctng	780
gnnncccaan nnnnnnnngg nnnnannntt tnacccttn nnttaaannn nnnttnnant	840
ttnntntttt nnnnnnnccc nnnnaaaann nnnnnnnna ngngnnnann ntnanncntn	900
tnnnnnnntn tnaannnnnn gnnaanntn cnnnnnnnnn nnnnnnannn nnnnnnnnnn	960
nnnnnnnnnn ggnnttngna ngggncccn	990

<210> 1393
 <211> 1041
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1041)
 <223> n is a, c, g, or t

<400> 1393
 tnnanaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa tncnnncna gggntnnng ttnnnngcnn ntgntttcan canacanatg 120
 ctattnattn nggtgggggt nnangcnntn ncnntnctgn attgcatgaa tgcttgncat 180
 tggacattga nanacattct tnaannactg aaccnntgna ggagaaagtn naannntng 240
 tcacacngna catgngatga ctctantgcg atancatggg ctgnaacctg ccaggctgat 300
 aangtcnnt gtattnncca gnaagaatac tngggtgctt tccctattcc tttgcngang 360
 ggactttant nanccaanga tcnaacncna ctcnntggt tgngggagggc aatntttnt 420
 gnctgactca nnacagaatt cncgncgtta cgggtgtacat taantggagn gcacatctac 480
 cactttatgg ccgnagagaa atgagcnaac ncgtcnctgg gnaanncaag actagggaac 540
 tggatgctac canganang gangatctnt acccattttc ctagttcgan tgcaatnata 600
 tnn cattcca cttagccgga agacgacata ngaagngctt gcgcncncnc cttttggacc 660
 cncggaaacc tgncttanca ggacctttcc gttgtaaaca cncgccgncc cggaaacctt 720
 tggttncgtt tgacatatag cttttggaaa aatgaaggac tngntagnan cctgggcngt 780
 naaaaaanatt gaacaagttt nccaannngg ggaccnccc ccccccgaanc ttgaancctt 840
 tttttaaggg ggtttttttc aagagtggnc aaaaaaact tcaagggggc aaacctgtt 900
 ntaanagttg ggtcaancat tttggaancc aaaattttga ntagggggan aaaancctcg 960
 naaaaacggg gggngncctt tattgaaccc cncgccgnna aaaaaaant nntnttttt 1020
 naaaggntan tttnttttn t 1041

<210> 1394
<211> 937
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(937)
<223> n is a, c, g, or t

<400> 1394
tnnnncaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggtc aaaagacccc tttcatcacc aaccctgggt atgacactgg aaacggtatt 120
cagcttcccc gcacttctgg tcagcagccc agtcttgggc aacaaatgat ctttgaggag 180
catggtttta ggcgaaccac accgccacca cggccacccc cgtaaggcat aggccaagac 240
cgtatccgcc gaatgtaaat gaggagatcc aaattggtca tgtccccagg ggagacgtag 300
accatcatct ctaccctcac gttgtgggac tcaatccaaa tgcttctaca ggccaagaag 360
ctctctctca gacaaccatc tcatggaccc cattccagga aagctctgag tatatcattt 420
catgtcatcc agttggcatt gatgaagaac ctttacagtt ccgagttcct ggaacctctg 480
ctagtgccac cttgacgggc ctcaccagag gggccaccta caacatcata gtggaggcag 540
taaaagacca gcagaggcag aaggttcgcg aggaggtggn taccgtgggc aattcttggt 600
gaccagggcc tgagtcagcc cacagatgac tctgtcttcg anccctacac gggcttccat 660
tatgccattg ggaaaagant gggaaccnat tgtctgattc tggcttttaa actctcgggc 720
ccatggctta aggctttggc aggggtcant ttcaaaatgc caattcaatt taaatggggg 780
ccnttgacaa tgggagtggg actaccaaga attggaanaa aaaagnnggn atccgtcang 840
ggaaaaaaa tgggccaaaa anaatnaanc ttgncccttt tttttgggaa aangggaaaa 900
ngggaaaaat tcaagnngg aatccttttt ggaaggn 937

<210> 1395
<211> 976
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(976)
<223> n is a, c, g, or t

<400> 1395
aaanctggac tccaccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag 60

gaattcggca cgaggaagcc atgttaatgt actatgtatt tacccaagac tctctcttca	120
ggtcggttcc ccctaaaggc tcagaaccga ctcgacaaac cagtatgtct tactcacacc	180
tggttctcct aatctatggt aatgaaacta tatttgcttg gaaatccacc tttcttcaag	240
attcatgtca atcattttat ggcccggatg actcacctgc tgccaatggt atctcaatgc	300
atgttgccgg tgagggggcct ggtgccattc tctgagacgt tgtctttctt taattagcag	360
actgctagtg gctgtaagtg aaagtgaaaa gtgaaagtga agtcgctcag tcatgtctga	420
ctctagcgac cccatggact gcagcccacc aaagctcctc catccacggg attttccagg	480
caaaagtact ggagtagggg gccattgccg caacatgcta tggctcttca gaggagagac	540
tgactattta aggaaatcgc atgtttaaaa gtagttttca aaaaaaaaaa aaaaaacctc	600
ggggggggcc cggggcccat tncnccctat nggggangnn nnanaannnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnc	976

<210> 1396
 <211> 1051
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1051)
 <223> n is a, c, g, or t

<400> 1396	
agccctatag ngagtcgtat tacagtggcg gccgctctag aactagtgga tccccggggc	60
ctgcaggaan ttcggcancg aggctcgctt gcagtttaac ctgtccctgt actggagtca	120
cgaggcgctc ttccagaaag aaagatcctt gcagggccct gggagttcca caccgtgccn	180
tttcaagct ggntgggntt caatactggg gcctgaacct tcaactgaggg cacntaccag	240
ccccggnttt acacctcgcc cacctggagc caatccggga tgaagctcca gttacaaccc	300
ctcccggtcc ttccaaaccc cccagcacc cagcttcctt ttccatgaca gctctgtctc	360
ctggnccttc gtctacctcc ctaccctnca nagctgggtg aactacgggt tctcgnctc	420

ctctgatgac cccccactcc tggtnttttc caagtncagc tntccaagt ccaatcccac 480
 cattggntat naaaaccggg ccctgctgca ctggnagggg agctttgggg taaaacgtta 540
 tcgacttnaa ggggctggaa ggcccttggg cccaagtgc ccctggctac caacagcttc 600
 anggagcact ttentttttc cctgcccggg aaggggggttc ttttnaggag ggttncaagt 660
 cntcattccg ncccttttta cctgacccaa cttcnacgga acatgggact aanaacttcg 720
 gaggggtgga atttnaaggg nnggggcaag gaannttnat nggagggntg gggnacccctn 780
 ccctttcttt aacctttttt ttttggangc acccttnaan tnaccggggc aacanggggg 840
 cccccctttg gtttnngntg atttttntng agctannnga aatttgcggg gaaaaaattn 900
 cnntnctng naanctttcc tnggggggnt tagggggnaa aaaaaanttt tcntntanag 960
 naaaaaaac nngnttnac ccctgngnng ntnaggganc ccnggggaan aangnaaac 1020
 cccccntcc ncnnttngg ctagaaaaac t 1051

<210> 1397
 <211> 944
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(944)
 <223> n is a, c, g, or t

<400> 1397
 naaannctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggcggcgg cgagatgtcc ggaggatcag ctaggagcct gggcaaggga agcgcccccc 120
 cggggcccg ccccgagggc ctgatccgtg tctacagcat gaggttctgc ccgtatgccc 180
 agaggactcg cctggtcctg acggccaagg gtatccggca tgaagtcac aacatcaacc 240
 tgaaaaataa gcctgagtgg ttcttcaaga agaatccctc aggccctggg cgggttctgg 300
 aaaccagtca ggggtcaattg atctgtgaat ctgccatcac ttgtgagtac ctggatgaag 360
 catatccagg gaagaagctg ttgccaggcg acccctatga gaaagcttgc caaaagatgg 420
 tcttgagtc cttttctaag gtaccacctt tgatattgaa gattcttaga acacaaaata 480
 aggaagactg ctctggccta aaagaagaat tgcataaaga aatcaccaag ctagaggagg 540
 ttctgactga taagaagaca accttctttg gtggcaattc tctttctatg attgattacc 600
 tcattctggc ctggtttgaa cgtctggaag ctctggagtt gaatgagtgt gtagaccacg 660

ctccaactct taaagctgtg gatggcagcc catgaaaaan gatccacag tatcatctct	720
tcctcactga cgtggaagaa ccctttcaag ggttntttca accctctact tgcagaacag	780
ccccttgagg gcttatgact atggactctg atgggggacg agttcancca atgaaaaaca	840
taactggana cttttccttt cccttaataa tgaaataaat acccntgggg ttttattttt	900
taccnnaaaa aaaaaaaaaa aaaaancctc nggggggggg ggcg	944

<210> 1398
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1398	
aanactggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cggcctgcag	60
gnagnggntg tgtgattgcg tcccgnaana ccggnagcgc ttgcncatng ntgaccaact	120
gnctgaanaa canattgcag aattcnaana anctttttca ctntttgncc aggntgggga	180
nggaactntt acnacnaagg nattgggaac ngnnatnnaa nntcttgggc nnaatccac	240
nnaancnnan ntaccggacn tnantaatga agnggatgcn natggtaatg gcacnattga	300
cttccccgaa tttctgaccn tgatggcaag aaaaatgaaa gataccgaca cgtgaagaag	360
aaattatgag angcattccg tgtgtttgat aaanatggtn atgngctata ttagtgcagc	420
acanccttnc catgtgatga caaaccttgt nganatgtta ncnnatgacc aggnatnatga	480
nntgatcngg ggaccagana tnnnnggtga ngggnacntc tactatggat acntgccaca	540
tgatgacanc nnaatgaaaa cantntacac aatgtggtaa atntcttgta ncacnattgn	600
acntttgcct tttcttttgt tngntaactc atcttgtaan aangtgtnc ccttactgcc	660
aaaaaaaaaa atatccctgt nttagtanat taaggacttc ctttccttcc atggtgtctt	720
nccntattn ttactggccn tttgtcctgg aaacctttnt ttttaaaaaa attggntcca	780
ngtaacatgg ttgcattggg ggcttaactc tggganaata ttntaaancc ccttcttgcc	840
cctcttaaac tttaaaangg agggnggntc aaanngaagg gaaccaacng gggggnantc	900
ccntnttttt tttttttttt gaannntnt tttttttnaa aaacncccc ctcntttttt	960
ttttnaaaaa ngnn	974

<210> 1399
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

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<400> 1399
aanactggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cggcctgcag      60
gnagnggntg tgtgattgcg tcccgnaana ccggnagcgc ttgcncatng ntgaccaact      120
gnctgaanaa canattgcag aattcnaana anctttttca ctntttgncc aggntgggga      180
nggaactntt acnacnaagg nattgggaac ngnnatnnaa nntcttgggc nnaatcccac      240
nnaancnnan ntaccggacn tnantaatga agnggatgcn natggtaatg gcacnattga      300
cttccccgaa tttctgaccn tgatggcaag aaaaatgaaa gataccgaca cgtgaagaag      360
aaattatgag angcattccg tgtgtttgat aaanatggtn atgngctata ttagtgcagc      420
acanctttnc catgtgatga caaaccttgt nganatgtta ncnnatgacc aggntnatga      480
nntgatcngg ggaccagana tnnnnggtga ngggnacntc tactatggat acntgccaca      540
tgatgacanc nnaatgaaaa cantntacac aatgtggtaa atntcttgta ncacnattgn      600
acntttgcct tttcttttgt tgnngtaactc atcttgtaan aangtgncc ccttactgcc      660
aaaaaaaaaa atatccctgt nntagtanat taaggacttc ctttccttcc atggtgtctt      720
ncccntattn ttactggccn tttgtcctgg aaacctttnt ttttaaaaaa attggntcca      780
ngtaacatgg ttgcattggg ggcttaactc tggganaata ttntaaancc ccttcttgcc      840
cctcttaaac tttaaaangg agggnggntc aaanngaagg gaaccaacng gggggnantc      900
ccntnttttt tttttttttt gaannntnt ttttttnaa aaacncccc ctcntttttt      960
ttttnaaaaa ngnn                                     974
  
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<210> 1400
<211> 940
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(940)
<223> n is a, c, g, or t

<400> 1400
caaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg gcacgaggaa gacaaacca cagtgcccg tggtggaaac accccatgag 120
ggcgcatcct cttctcctgg ttagtattta ttccagcacc tggtaaatgc ggttttttat 180
tctctaccta ttgcactggt gtgacttggt ggccattatt tgatttttgt acgaaaaaaaa 240
agctttgtta tagaaatcag catactatit ttttaaacct ggagagaaga tattatggtg 300
actgaaaata tggtcagggtg tcaaataata atgtataaaa gccttcttac tggcctgnct 360
gncatggtac atttatttta ttttgctggt caatactgaa ggggttctttt tcgtttgggn 420
aaactctaata ttctatcacg gngncatgaa tttttaaata cagtatttca ttacaggtgn 480
ctcaacattg ggnaactaan ttttgccagg accattattg atcaagcaaa taaattcaac 540
agccattttg anggaagaaa aaaaaaaaaa aaaactngng ggggggcccc gacccaatt 600
nccctatag ggngggggna tnaannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 940

<210> 1401
<211> 999
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(999)
<223> n is a, c, g, or t

<400> 1401
ttnaaaaaaac tggactcccc gcggtggcgg ccgctctaga actagtggat ccccggggct 60

gcaggaattc ggcacgagga cgattcnctn tttcggnnng tggntgnngn cangnttntg	120
gancaggcct tctccgnctt ggacgagaca cggaccgcct acatnctcca ggcggtggag	180
agtgcctggg aaggggtgga ccggaagaaa gccacgcgtg ccagagactc agccacggcc	240
gagaacccta acgggggttg ggcggaggca gaggtgctca nncggccgtc ctactcccc	300
caaggaggaa ggagtgcctg gggcagccgc agccccggnc ccaattgtgt tctgtgtgna	360
gctgaantca ctcatntccc angtgangga cctgctgccg acctnggcga gggcttnatc	420
ctggcttgcc tggagcacta cagctacaan cccgagcagg tgatcaacaa cttcctggaa	480
ggcggnnttg cccccaccct nanccaactg gaccgnggct tggacagaca ggtgaagccg	540
gacccgacnc ccttgntgac gtttngtcac aacgttttca aaaatgacaa gtttgatgtn	600
ttcaacangg acttggtgga acctgacccg ggttgcccca agggcaggaa ggaaggaaaa	660
aaaaccccc ggaacctttg ttnaacnaaa aagccgggaa ggggccaggc cccacnggca	720
anncttttta accantacaa ncnntggtgg gtnggaagga aggtncctt tcaaccccc	780
ggggaagggc ttncccnta cccggggggg gaccaanttt cnnnggggtt agntnccnac	840
nncccccttt cccattgggg naccgccggg ggggccnccc aaccaattcc cggaactttg	900
nanttaaaaa anantttntt tannncnggn ngggccttt tncattttc ctttaagggg	960
gccnaaaaa acccaaaaat tncgccngg naaanggct	999

<210> 1402
 <211> 999
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, c, g, or t

<400> 1402	
ttnaaaaaac tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgagga cgattcnctn tttcggnnng tggntgnngn cangnttntg	120
gancaggcct tctccgnctt ggacgagaca cggaccgcct acatnctcca ggcggtggag	180
agtgcctggg aaggggtgga ccggaagaaa gccacgcgtg ccagagactc agccacggcc	240
gagaacccta acgggggttg ggcggaggca gaggtgctca nncggccgtc ctactcccc	300
caaggaggaa ggagtgcctg gggcagccgc agccccggnc ccaattgtgt tctgtgtgna	360
gctgaantca ctcatntccc angtgangga cctgctgccg acctnggcga gggcttnatc	420

ctggcttgcc tggagcacta cagctacaan cccgagcagg tgatcaacaa cttcctggaa 480
 ggcggnnttg cccccaccct nanccaactg gaccgnggct tggacagaca ggtgaagccg 540
 gacccgacnc ccttgntgac gtttngtcac aacgttttca aaaatgacaa gtttgatgtn 600
 ttcaacangg acttggtgga acctgacccg gggtgccccca agggcaggaa ggaaggaaaa 660
 aaaaccccc ggaacctttg ttnaacnaaa aagccgggaa ggggccaggc cccacnggca 720
 anncttttta accantacaa ncnntggtgg gtnggaagga aggtncacct ttcaaccccg 780
 ggggaagggc tttncCNTa cccggggggg gaccaanttt cnnngggttt agntnccnac 840
 ncccccttt ccattgggg nccccgggg ggggccnccc aaccaattcc cggaactttg 900
 nanttaaaaa anantttntt tannncnggn ngggccnttt tncattttc ctttaagggg 960
 gcccnaaaaa acccaaaaat tncCCcgngg naaanggct 999

<210> 1403
 <211> 950
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(950)
 <223> n is a, c, g, or t

<400> 1403
 tnnnncaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcagggt cagggagctg tttcccgtat gtatccttca gggacctgtg catatattca 120
 aaggggaact gtttttgctg aaaactgcat tttaactgca ttcagtatat gtcaaaagaa 180
 ggcgaatcta ttgagagcac agtgaatttg aaggatctgg aggaaaagaa ggaaaccttt 240
 gaattctctt ctggaattta agctatactt catcacttag atgtaaacca ttagagccca 300
 gggaaatgcc tgctactggt tgagtgcaga actccttagc agagactggc ccagctgcct 360
 ggcacctga tagcaaaagt tgcaattccc tctgtatatt tttccctaac ttgttccaag 420
 tcctcccctg caggacttca gagaagtcaa ttttcctgtt tccattgttt ctaagaactt 480
 gttgcctaac tcaaggtcac agcatttttc tcaactttgt cctatgcttt cttttaggca 540
 ttgtagagtt ttagatttta catggaaatc tagaacttat tttagattaa tttctaagtg 600
 atatatggat gtatggaaaag ttttctggtt tgnnttttgc ttngaaagta ttcaattgg 660
 tttgcaacat ttgctgaaaa agactattct tcctttccta cantggnctt tgccctgggt 720

ggcnacaatt attccttacc tgccctgggt ctattttccg gggattttcc natttccttt	780
ccctttnaat ttaattnaat aaatncttgg ggcttaccaa cattcnccca tggaaaantt	840
ttngnaaatc ctaanggggn ccttttaaaa aaaaacnttn gggaaatcnc canggggaaa	900
aaannnaaat tccattgggg gggggccntt tttttaaaaa agnggggttn	950

<210> 1404
 <211> 1010
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1010)
 <223> n is a, c, g, or t

<400> 1404	
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aggtgaccgg caagacctca ccctggaggt ggagcccagt gacaccatcg agaacgtcaa	120
ggccaagatc caagacaaag agggcatccc ccagaccag cagaggctga tctttgccgg	180
gaaacagctg gaagatggcc gcacctgtc tgactacaac atccagaagg agtccactct	240
gcacctggtc ctncgcctna gnggngggat gcaaatttn gngangacct tgaccggcaa	300
gaccatcacc ctggaggtgg agcccagtga caccatcgag aacgtcaagg ccaagatcca	360
agacnnngag ggcaccccc cagaccagca gaggtgatc tttgccggga aacagctgga	420
agatgggccc accctgtctg actacaacat ccaagaaaga gtccactctg cacntggtcc	480
tncgcctaag agnggggatg caaatcttng ngaanacctt gaccggcaag accataacct	540
gnangtgag cccagtgaca ccatcgagaa cgtcaaggcc aaanatcaa gacnnagag	600
ggcatcccc cagaccagca agaggctgat ctttgccggg gaaacagctt ggaaagatgg	660
gccgcacccc tgttttgact acaacntcca gaaagagttc nactctgcac cttggtcctt	720
ccggccttaa nnggnggant gcaaatttn cnggaaaanc ttggaccggg naanaaccat	780
tacctngat gttinganccc antggcancc tttngaaac gttagggccca agaatcccag	840
nagnnnggag ggnntcccc caaacccnnc aaaangnttn atttttccn ggaaannant	900
ggaanatggg ccncccttt ttgatttnaa catccaaaag aannccctnt tnnctttggt	960
ccttggcntt aangggaggg ggttnaantt ctccctttaa nnttttnaan	1010

<210> 1405
 <211> 1661
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1661)
 <223> n is a, c, g, or t

<400> 1405
 ggccgntgtn nnnntcnttt nttntntnat nnantnnnnn ntnecccccnc ncgntcggcn 60
 tgcactcngn ntgcccnnnn nccccctng gggnganncn gcncnnnnnn nnncccttng 120
 ccccnatagt ggggtcctat taccaangga ttacantntc nacncgcngg ttnttccccg 180
 tcccgtctgn cnnantncnc nnnntncntn cnnnttcnnn acccnnccnc ccnagtncc 240
 cnaaacgcgc gggggtcctn ccgaccagn cnnntnnctg ccncnccacn ngncacnag 300
 ncccgntcn nctccgtntc tnnccctncc cnnngcngn gcccccnnn ccccccnnc 360
 ncnatacanc cacnggncn nnnnnntnnc ncngnctct tcgncgcnnn cncggggac 420
 nctnnngcng ncnccnccc cattccttng ngcncctngg ccggnccnt ccctaccct 480
 ngngcgcggn cgcnnnnnn cactcncctn atcntgncnc ntgcncan cncnttctcc 540
 ncnttgccnc ccccgtcggn cnnctnngcc nntnnccccc tngncncnc nntcgtgnt 600
 cccnccctn nccccctnt cncnnngtcc cntngncnc ncgcnnntc cncggganc 660
 ccnannccn cngngctncc ntcanttcn tcnncnccn cctagancnt ccancnccct 720
 ntcnntatnc tcgcncctn ttctccactc tccctcgten tncctnccc cntcntnacc 780
 ncnccgccc ncgntcacc cttgcnncn cgttgctccg ccgacnccc ccggnacgnc 840
 tngnncnncn tntcttncgc cgtcccgnc agncagntgc cctnnncncc cgagcgganc 900
 nnnnancctc ctngnntcnn ccgcctgtct cntgtccnc nccnccgnc cncgggnc 960
 ccctcntccn cncnccgncn tncntntnn nctccgcggt cctccnccct ngcccnntn 1020
 ncntccngcc ctenttncc ngntcccat gtcttncn tnnccnccc ntnatccng 1080
 tgctntcncn ngngancgn ctcnntnact gatccngcg tancctgten gnttctnncn 1140
 cccccnccn nncgtncccg cntcagtngc cntcntncc ccccnatcn cncctctng 1200
 ctccctctct cncctccctn cgaccnctc tnnctacac ngcggttnc nncgnntgtn 1260
 ccncnncnn cntancccc cnnntnncct cncnctcnn antcgcnac nntnactccn 1320
 cncgcnntac cctcgtccnn cacctnnccn gctgntcgt cncctcct ggctcntcgn 1380

ctnnacctcc ngcacgtccg cncnccccgt ggncctcttcn cgancncgc ncnncncgc 1440
aatnccggcnc ncacgcnnncn gacgcgatgn caggtangtn gncncntccg cncgnanntc 1500
ccncncgatc gncncncgn ncnnnnatgc gacgncccct ccccgangtc ncnncgcctn 1560
cngacgtgnc ncncccctgn acgtagcgcnc ctnaccctnt ctttctcccc cncnagggtc 1620
ccgcncctcc cgcccccgct ncnncatcgg tgctcctcc g 1661

<210> 1406
<211> 1286
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1286)
<223> n is a, c, g, or t

<400> 1406
ctcgacaagn gggngggaag ngncctgcngt gctctctttt ancaanattt ggagctccac 60
cgcggtggcg gccgctctag caactagtgn gatgcccccg ngactgcagg nntccggcaa 120
tangntcntt ttngattntt ntaggantac atnngcatat ncttnggggg tcatttcang 180
gtncnnnnnc cntnttnaan ccgaggnant nntannttnn gnnnnnnngt gttgntnngn 240
nnatngancn tganggatan ntnnnangnn tntttaatgg tncanangng ctntgntnna 300
nntnagnnnc ttnnnnnggn nnaacgnnng nttnnagnnn ntannnnnn nggttnncagn 360
nngacccgnc naattgtttg nttncnttcc cngggantcc canttcnaga tttgngggnn 420
nangcntggn ncggngannt tcnnttnann ntanaatng ncnnnnnna ctgncctnt 480
ngncnnttng ngtannannn cttnagngt ntnntatntn ntcnannntt attnttcgng 540
nncagnntnn tncntnantg antntngnnc agnaggctcg ttatntnctt ntannatacn 600
ntnntttntc cngcntcnac nntatnnatt gnaaatntcn tcnctgaan nnttnncann 660
nanctntnnc tttntgnc nngcananaa gcgtcccntt tnnttatnnn actnnntcnn 720
ngttnnact gncctggcnc ttntactnt ngntnnatgc tngnncnngn ccntccnct 780
cnnngtntnt gctacnnntc acccaacana gccccatan cacantagnc tcnncnattc 840
cnnannann aagttnctnt atcnttnna atattaattn cgcttnccgt tttgctancn 900
nttnatctaa tnatttgttt antgtgacag nttccaangn acctngancn ncttttnann 960
gnactgcgg gntggntagg atcgtnaagt ctntntnnnc tgccngtngt nnnnnctna 1020
tgtanancat tcnnngntnc agcngtatnt nctctntac cagcnnanga gtnnnatca 1080

ananntatnn nnnentgcct gntnccattc naggggtgctt tntgtnaann ncntgccntn 1140
 ganatgnata tnttttgaac tngtganang ttgnnacna atngaccnta tgtnnntgta 1200
 gtgctctngc ttnggtntct ncnnatanta cctnctnctn nnnnacttnt ctctcntnat 1260
 ngtnctgngc gntnnncnng cgnccg 1286

<210> 1407
 <211> 954
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(954)
 <223> n is a, c, g, or t

<400> 1407
 naaaactgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccggcttgn 60
 aggccgacgc gcttcggtat ctgcgggccc cgggtgcagac atggccaagt ccaagaanna 120
 cccnagcccc anccantccg aaaatngnat nagaaccggg attaanaaac cccgancnnn 180
 acnanntnaa ttttttaagg gggnaancc cnanttnctn nagaacntnc cctttnncna 240
 naancncnac nagaanggcc tnaanaanan ncnnccnac natnccnagg ncntnaatgc 300
 acntgctnan gctngcaagg gccttgtgaa acccaaggag annaagcca agatnccaca 360
 ggtggcagcc gcaagcttaa ncgacttggc tanattctca caccanactg nggaaangcg 420
 ctcttgctct cattccaaag ggctcnangc tctgtccggc anaanccagg gcaaagggtt 480
 ncnccaagnn aaaccncntg tggntgtggn tcnactgtca aaggtgccaa ggccccacaa 540
 anatctngag tanaaaacct nttttgtcac tgtgaagaca acaaagactt gtgtgacccc 600
 ttgtgttctt gtcttccgng gggcttgtgt cctncttgtg ttnttttacc acataaatct 660
 tgtgacaggg aaaaaaaaaa aaaaaaaaaa aaaaatttng ggggggggnc ggggncccaa 720
 attnnntttt tntttngggg gggnttttta annnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnct 954

<210> 1408
<211> 954
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(954)
<223> n is a, c, g, or t

<400> 1408
naaaactgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccggcttgn 60
aggccgacgc gcttcggtat ctgcggggccc cggtgcagac atggccaagt ccaagaanna 120
cccnagcccc anccantccg aaaatnngnat nagaaccggg attaanaaac cccgancnnn 180
acnanntnaa ttttttaagg gggnnaancc cnanttnctn nagaacntnc cctttnnchna 240
naancncnac nagaanggcc tnaanaanan ncnnngccnac natnccnagg ncntnaatgc 300
acntgctnan gctngcaagg gccttgtgaa acccaaggag annaagcca agatnccaca 360
ggtggcagcc gcaagcttaa ncgacttggc tanattctca caccanactg nggaaangcg 420
ctcttgctct cattccaaag ggctcnangc tctgtccggc anaanccagg gcaaaggttt 480
ncnccaagnn aaaccnctg tggntgtggn tcnactgtca aaggtgccaa ggccccacaa 540
anatctngag tanaaaacct nttttgtcac tgtgaagaca acaaagactt gtgtgacccc 600
ttgtgttctt gtcttccgng gggcttgtgt cctncttgtg ttnttttacc acataaatct 660
tgtgacaggg aaaaaaaaaa aaaaaaaaaa aaaaatttng ggggggggnc ggggncccaa 720
attnnntttt tntttngggg gggnttttta annnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnct 954

<210> 1409
<211> 963
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(963)
<223> n is a, c, g, or t

<400> 1409
aaaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggaac ccccgggctg 60

caggaattcg gcacgagggc ggtgacggcc gaggcgacag aaccgagggg ctgtcggttg	120
tgggcgctcc agggtctga acgagagaag cgtgaccgg aaacggaagc gagtccccat	180
cccaactccg ccaggtttca cgctagcccc aggttactg gtaggctcct gctgccatgg	240
acctgttggt tgggcggcgc aagacgccag aggagctgct gcggcagaac cagcgcgccc	300
tgaaccgggc catgcgagag ctggaccgtg agcgacagaa gctcgagacc caggagaaga	360
aaatcatcgc ggacatcaag aaaatggcca agcagggcc aatggacgcg gtccggatca	420
tggcgaaaga cctggtgcgc accaagcgg acgtncgaaa gtttgtgttg atgccggcca	480
acatncangc tngtccctt caagatccan aactcaagt ctaaacaact caatggcnca	540
agccatgaag ggcgtcacca aagccatggg caccatgaac agacagntga agttgcccc	600
natccanaag atcatgatgg aattttgagc ggcaggcaaa aatcatgggn nttgaaggag	660
gaaatgatga accaaccccc ttcattaacc ccnttggggg accaggncca ttaaaaagg	720
aaagtntgc tttttgtaac ccaggtntct tggacnaact tgggggttga ncctgaaaaa	780
atgaactttt aaaaactttc cttttcaccg ganggtttcc tttaacgnng gntngcccgn	840
ggnaaaaaaa accaaagggg ttcacccttt tgnccctgng ggancccnaa nccnaacct	900
tggnggggna aggtttanna aacnntttna angggaatta atttgcccnt tttttcccca	960
agg	963

<210> 1410
 <211> 956
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, c, g, or t

<400> 1410	
ttnanaaanc tggactccac cgcggtggcg gccgtctag aactagtga tccccgggc	60
tgcaggcatc agcagctcag gccctgctgn gacctaccga ccctacgacg agggctctgag	120
gcgngggggtc ttcatcacca atgagactgg gcagccactg attgggcagg tgtggcccg	180
actcaccgcc tttcccgaact tcaccaaccc cgaaactctt gactggtggc aggacatggt	240
gaccgagttc cagccccaag tgcccttcga tggcatgtgg atcgatatga acgagccatc	300
caatttcgtg agaggctcag tggatggctg cccggacaac agcctggaga acccgcccta	360
cctgccaggg gtggttggcg gggaccctcc ggcagccacc atctgtgcct ccagccacca	420

gttcctgtcc acgcattatg acctgcacaa cctgtatggc ctgactgaan ccttaccctc 480
cacagggcct tggatgaagg tgcagggatg cgtccnttcg tgatctntcg ctnaaccttt 540
gntggccacg gccgatactc cggccantga acaggggatg tgtggacaac tggaaacant 600
ttcttactcc gngccaaaaa tcctgntttt aatttggttg ggggtgcccct ggggaaggggc 660
tgacatttgg ggnttcttgg caacacttna aaagaacctg ngttgctttg aaccaantt 720
gggggccttt ttaccctttt tttggcggaa accaaattgc cntgaaaaa gccancccg 780
aggaacccg tanaaggttt aanngaanac gggnncaacn aagccttgaa ggaaagggcn 840
tttaaccctt ggggttnagg ggttaatggg ccttatTTTT aaaccctttt ttcccaagg 900
gnccccntt taaaaagggn aaaaaagggg ggcccgncc cctttttttt gggant 956

<210> 1411
<211> 991
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(991)
<223> n is a, c, g, or t

<400> 1411
ttganaaaan ctggagctcc accgcggtgg cggccgctct agaactagt gatcccccg 60
gctgcaggca tcagcagctc aggcncgtgt gggacctacc gacctacga cgaggggtntg 120
aggcgggggg tcttcatcac caatgagact gggcagccac tgattgggca ggtgtggccc 180
ggactcacg ctttccccga cttcaccaac cccgaaactc ttgactggtg gcaggacatg 240
gtgaccgagt tccacgcca agtgcccttc gatggcatgt ggatcgatat gaacgagcca 300
tccaatttcg tgagaggctc agtggatggc tgcccggaca acagcctgga gaaccgccc 360
tacctgccag ggggtggttg cgggacctc cgggcagcca ccatctgtgc ctccagccac 420
cagttcctgt ccacgcatta tgacctgcac aacctgtatg gctgactga agccttagcc 480
tcccacagg ccttggtgaa agctcnagg atgcgtccct tcgtgatctc tngctcaacc 540
ttttgcttgg ncacgggcca tacttccggc cacttggaac aggggaatgt gtggagcaac 600
tggggancca gcttttccta ctcccggtg anaaaaatcct gcttttttaa tcttgctggg 660
ggtgccccnt tggttaaggg gctgacatnn tggggcttnc tgggcaacac cctnaagaa 720
cctgtgtgtt cntttggacc ccantnggg ggcccttcta ccccttcat tgccggaacc 780

ccaaatgccc ttnaaanagc ccagccggaa ggaaaccgta caaggtttna aangnaaaan	840
gggnccanaa angccatttn ngnaagggcc tttaaactntt gggncttang ggncattggg	900
cctanttttt tacaaanttg tttcccaang gnccccntt taaangagga aaaaaggggc	960
ccncccccn nttttttgtg ggtaccccc t	991

<210> 1412
 <211> 947
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(947)
 <223> n is a, c, g, or t

<400> 1412	
tnnnacaaaa ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atccccggg	60
ctgcaggccg aactgaccca gagaaggga gtgtcgtctc ggcggcgctg cagaaacccc	120
caccaagac ggctccccct cccgggcct gtcccctctt gcccgcgagt cctctcgcct	180
cgtaggcctc tcggatcgta tatcgtggg tgaggtgaga gcaggccccg ggagggtggt	240
taccgctgag gagctgcagt cgcaatcaag atgatagagg tactgacaac aactgactct	300
cagaaactgc tacaccagct gaatgccctg ttggaacagg agttgagatg tcagccaaag	360
gtctgcggct tgagactaat tgaatctgca catgataatg gccttagaat gactgcaaga	420
ctgagggact ttgaagtaca aagatcttct tactctaact cagttctttg gctttgacac	480
ggagacattt tctctagctg tgaatttact ggacagattc ctgtctaaaa tgaagggtaca	540
gccaagcac ctttgggtgt gttggactaa gctgcttcta tctggctgta aaatcaacag	600
aagaggaaag gaatgtccca ttggcaactg acttgatccg aataagccag tacaaggttc	660
acggtttcaa nacttgatga anaatggaaa aanattgtat ttggaaaaag gtgtgttgga	720
aaagtcaaaa gcttactact ggcttttaag ttttttacag gctnttatta ctcaattccc	780
tttnaaaaaa aacgtgcccc cantgnaaag ggaaaaagtn ncctttaatt ttttgaaaaan	840
acttaaaaac cccaacnttt aangggcatt gcttactggg anggaaataa tnnttttttt	900
tnaaaacnaa agccccnttt ngggngggg cnttnggcna ntnancc	947

<210> 1413
 <211> 1078
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1078)
 <223> n is a, c, g, or t

<400> 1413
 gagcctatan ngagncgnat tacaggggcg gccgctctag aactagtgga tcccccgggc 60
 tgcagggtccg gcagctccgg aggctttttg ccagctggc tggagatgac atggaggnc 120
 ncgccacaga actcatgaac attctcaaca aagtgggtgac ccgacatcct gatctgaana 180
 ctgatggcctt tggcattgac acatgtcnca gcatgggtggc tgnaatggat agggacacga 240
 ctggcaaact gggcttcgaa gaattcaagt acttgtagga acaacatcaa anagtggcag 300
 gccgtataca aacagtttga tgttgaccgn tnagggacca tnggnatgca tgtgaactcc 360
 ccaangngc cttttgaggc agcaggattc ccgcctgaat gaacatctct acaacatgat 420
 catcncgacg ctactcanat gangggaggg aacatggatt ttgacaaata tcactnagct 480
 gcctnngtca nactggnatg ccatgncccc ntnccttcna ntctctcgac aaaagantgg 540
 cacctggaca aatccaggtg anctcctnng agtggctnna anctngncat gntactcct 600
 gaaacnngga gcccgaangn cctgccccnc tcattncctt tgctggnggg agtccnccct 660
 tngacttctt cggnccccc ccanggcntn atttcttggn tgcaagtnac aatctctcnn 720
 aggggtcnct gccnnacccc ctttttngnc tntttaancc cnttngccac ctngtttttc 780
 anntctacca ncacnnggnc ccaancntgg ncttttnnca ctgcctgnc ccctnnaant 840
 nccnccct cnacgcacaa nccattctt gntttanctt ccannaaccc ttatatttgc 900
 accngttgn canncctcca caanctcgnn gtgggtttct nccccccca ggggcncctn 960
 ntncntaact tctntgnaag gaataatnnc tnnnccntt gtnnctaagg cncntncttt 1020
 ttntctttcc actctcctnt ctcnntnct ctntgcccac atatnttgtg cccttncn 1078

<210> 1414
 <211> 1644
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1644)
 <223> n is a, c, g, or t

<400> 1414
 ccccccnntt cnnnngnaga ngtnntnnng ntannnnntn nnnngactcn nnnnnntccc 60
 nntcnntncc tngngggagg nnnnnnnct nnnnnnnnccn aggggnagnt ntgnatnnan 120
 annnnnnnnt tnnngnctta tatgagtcgt attacaaang natnacactc ccncccnngn 180
 ggctctncnn anacacggcc gnnantcnccn tcncnnnatt ttatttttnc ncnntccan 240
 tnntnccncc cnctcgatg gngggccntc cntcgcnntn gtcnctatnn ttncctttctg 300
 ntngatnnc tcnnnacnt cnagacnnnn antctntcna ggngnctann cncnctgnt 360
 nnnacantca ccctngctnc cccgcnctac gantngagag ntctaccnnn cngnannnc 420
 ntcnnannga tccnccctgc ctntntngnn ccagtcncac nctantcnnt nccggcntcc 480
 cntttctct cnnnnnnccn cnacnngtgn tncnccgttt nctnnccgc ntnncnagnt 540
 gananccnt nntnannntc nctgngnccn acnngncnc atgngnacna tggnnccnct 600
 cttagagnc gactccann cnnngcnntt tgnantcnc nccccnngn tgatntann 660
 ctnttnctn nncnccgnc cctanntacn cnntacgant cgnnnannaa nctcnact 720
 cgcganncg tngtntant nnnngnccn cncnannntn ngnnccnga cttcacgtnt 780
 acgagannnc nngcctnntt gantccnccn gtncnccnnc cnnctaggt tnntctnnga 840
 ccgngctna nccnctang ancccnnga gncntgnt nctntcgcn cttcctnnn 900
 nnannnnntg tngtgcncn antgantccc cnntcncc atctantat gannctncc 960
 ttncnccnt nncnccctcc nccntgtcn nncgagaann ccctccctgg ttncnctntt 1020
 nccntcgant cactnnnnn gtcnnnanta nccnnnnct gttnacnntn cgatccnct 1080
 atntgtcctt cncctactnn cagcnctgct nntcncnnt catgtccac caggnccnc 1140
 tnnnagtgt gntcnccn ccactncnt nnacnntcc nnaccctnnn cgcctngtc 1200
 tccncangga tccccgtna cgnccnccn ncagctcntn tcncttcgna ttncctngnn 1260
 cccccctanc ntntcnact tcaactctct gtccctattg ccctnnatat nccccaggn 1320
 nggannntg nctcacgnc cgnccgcnnt attncctctg tcncttcgga acnngannnt 1380

acgcatccng cnacctccna tgatcactnn gntctgtcgn ncccccgcan gcgtntcgn 1440
acgtntcgn atntctgcgt tagtcgcnnnt cnccttgnt tntccactc tgtaaagnca 1500
cgctcncngt tnnngtgctc cgtatcttng nntctctttn cccccnnncn cncnccnnan 1560
gccangcgnc gattgngtgt tnggctnncg agntagncgc cncncnct caccntnann 1620
gannnnncnc ccccccccn cacg 1644

<210> 1415
<211> 953
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(953)
<223> n is a, c, g, or t

<400> 1415
gccctatann gannngtatn acagtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggaattc ggcacgaggc cgctcccgag cgcggcggcc tcgtctctag gccgtgcagc 120
tgctgccacc gccgtctgtc tgccctgccct ccgctcggtc cccccgcagc atgagcggcc 180
tgcgcgctca cagcacgtcg gtcaccggct ccgcgaaat caagtccan cagantgagg 240
ngacccgnat nctggatggg aagcgcattc antaccanct agtggacatt tnccaagana 300
acgccctnng ggangaang cnanccttgg ccggcaaccc caaggncnc ccccccaaa 360
ntgncaacgg ggaccannat tggggggact atnaactntt cgtggaggnt gnggaacaaa 420
acacactgga gganttcctg aaactggnt gaaccaantc anccccctgg actttgtcat 480
tacatttccc ttcccaggca ttaccccggt catnaaggac cttgtgacca acttncctgt 540
gtatttctaa cctgaacggg gggngctctc ccctcaancc aaaganccct tttntcccc 600
taantgtaag ccccttctt ttttatttag aaagnaana ttnctnccc accgggggctc 660
anaaaattgt gnttanacaa acanaccnaa atggctggnn tgttntcan antcgggncc 720
ctgnggggtg tcacccttgn ctgggncttg tgtgatgggg cacctttnt tgatntccat 780
ttatacaaag gntttntnaa aagggcccnc aatacccctt ncggggngca cccccagaaa 840
aaaatnaaan ggttgccntt tncattnga naaaaaaaaa aaaaaaaac tnnngggggg 900
ggggggggcc caaactnnn ntnntnttt ttnnggggc tntaaatnn ncn 953

<210> 1416
 <211> 1594
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1594)
 <223> n is a, c, g, or t

<400> 1416
 gnggggnggg gngcgnaagg aaatntttta tttnnnttn tnnnnnttc ncccnctant 60
 ttagtcntag ngngncann ttntnttttc ntnggggann cctantagga actcccccn 120
 tttgagncnc nntggagng cattacaggg gnggacgctc tncaantagt ggctcccctc 180
 cgttcttgnt acgactnnnc cccncnaann gttgttttn tntcctctct ctatttannc 240
 tnnctccnn ngggggnttn ttntntttct cccctcantn ttatctttt ncnngtttn 300
 tcggttttcc cgattnattt tttccnatnn atgnntanat aatcnanacg gacctnntgt 360
 ttntntntnt cnactnta ttctnttacc agncncnttn ntttnnttt tntcatata 420
 ttctnctaa tnnncnana ttnntctcg ttgntgtgcc tntctnnn tcttnttttn 480
 cncntntanc nntntctn tccnctgcc tgtgagttan cncnnanc ngngntttta 540
 tancntntgt gnctnttact nnacganntg ttnnctnngt nnnntttnt ttcnntntnc 600
 ntntnttc tttcngann tntnnntnt ctctntnggt taatgaanct tntctgnnt 660
 ctctnttn tctcnanntt cnnanntgt ccgatngnn tntatnctn tatctcnng 720
 cntnnnann nncnatgttc tannaatnt tnnnngtna tgnncnnntn cgnnagnnt 780
 nggnctntt ggtttanntt ttctntntnn tnnatcgttn tnnctgttc natcctngta 840
 cncnatctt ttgatannnt cnnngttntt tcgnttcgnn ntctctcatg ntncccatn 900
 angcagntc ntgtcatntn cncntgtcnc ntntngntc tacngcacng nttancannc 960
 ntanttcctc ctactcgctc cntntntnt cnnnttnn ccctnnattc tcnctnnaga 1020
 gntctctnn tcnntntatn tnattangnt nntngntta ntntctctn cntnnngaga 1080
 cncctatgt ggcnttcntg taatnctccc ntnnatatan tatntntan gacactntct 1140
 ctnctnnntn tatctanntc taactntcgn tcgtcgttn ntctgann cctangtana 1200
 nncnctgt ncnngncgt ntaangntnt nntctcttag nncggctnn tctctnacgt 1260
 acnttgtaa nantantnan tnnatggagt attctcttn tctagatcga tccnccgtac 1320
 gtnnntagct atnttctgta ncacntaang atgtctnnn gctngtgnn gnnntngtn 1380

tntnangtgt gtntntngcn tntgagtgt catangtatg ttcaatctnt ntttcgtacn	1440
gtatgnnact tncgtgaann nctcnacgan acntanntac ggacaangtn ncnnangtan	1500
ctntnngtac ttactnttcg nantgntacg gtcctatct atgnatgtnt nttgcgtcgt	1560
gtntngttnc tataatntcgn ntnggtagng gccg	1594

<210> 1417
 <211> 1594
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1594)
 <223> n is a, c, g, or t

<400> 1417	
ggngggnggg gngcgnaagg aaatntttta tttnnnttn tnnnnnttc nccnctant	60
ttagtcntag ngngnncann ttntnttttc ntcngggann cctantagga actcccccn	120
tttgagncnc nntggagng cattacaggg gnggacgctc tncaantagt ggctcccctc	180
cgttcttgnt acgactnnnc ccncnaann gttgttttn tntcctct ctatttannc	240
tnnctccnn ngggggnttn ttntttttct cccctcantn ttatcntttt ncnngtttn	300
tcggttttcc cgattnattt tttccnatnn atgnntanat aatcnanacg gacctnntgt	360
ttntntntnt cnactnta ttctnttacc agncncnttn ntttnnttt tntcatata	420
ttctnctaa tnnncnana ttntntctcg ttgntgtgcc tntctnnncn tcttnttttn	480
cncntntanc nntntnttn tccncgtgcc tgtgagttan cncnncnanc ngngntttta	540
tancntntgt gntnttact nnacganntg ttntctnngt nnnntttntt ttcnntntnc	600
ntntntnttc tttcnggann tntnnntnt ctctntnggt taatgaanct tntctgnnt	660
ctcgtntnn tctcnanntt cnnanntgt ccgatngnn tntatncgtn tatctcnnng	720
cntnnncann ncnatgttc tannaatntt tnnnnngtna tgnncnnntn cgnnagnnt	780
nggnctntt ggtttanntt ttctntntnn tnnatcgttn tnnctgttc natcctngta	840
cncnatctt ttgatannnt cnnngttntt tcgnttcgnn ntctctcatg ntncccatn	900
angcagntc ntgtcatntn cncntgtcnc ntntngntc tacngcacng nttancann	960
ntantctct ctactcgctc cctntntnt cnnntttncn ccctnnattc tcnctnnaga	1020
gntctctcnn tcnntntatn tnattangnt nntngntta ntntctctc cntnnngaga	1080
cncctatgt ggcnttcntg taatnctccc ntnnatatan tatntntan gacactntct	1140

ctnctcnntn tatctanntc taactntcgn tcgtcgttnn ntentgannn cctangtana	1200
nncncgttgt ncgngncgct ntaangntnt nntcttctag nncggctnnc tctctnacgt	1260
acntttgtaa nantantnan tnnatggagt attctccttn tctagatcga tccnccgtac	1320
gtnnntagct atnttctgta ncacntaang atgtcttnnc gctngtgtnn gnnnttngtn	1380
tntnangtgt gtntntngcn tntgagtgt catangtatg ttcaatctnt ntttcgtacn	1440
gtatgnnact tncgtgaann nctcnacgan acntanntac ggacaangtn ncnnangtan	1500
ctntnngtac ttactnttcg nantgntacg gtccctatct atgnatgtnt nttgcgtcgt	1560
gtntngttnc tataatntcgn ntnggtagng gccg	1594

<210> 1418
 <211> 968
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(968)
 <223> n is a, c, g, or t

<400> 1418	
canaanctgg agctccaccg cggtggcggc cgctctagaa ctagtggtac ccccgggctg	60
caggaattcg gcacgaggag cgctcggagt ttgccactta tcggtcatcc ttggtgtccg	120
cagcactctc tccctctctc tagggcggcg acctccggcg gccggaaagt caccatgtcc	180
atcctgaagg tccacgccag agagatcttt gactctcgtg ggaatccac cgttgaggtt	240
gatctcttca ccgcgaaagg tctcttcaga gctgctgtgc ccagtggcgc ttcaactgga	300
atctatgagg ccctggagct tccgggacaa tgataagacg cgctacatgg ggaaagggtg	360
ctcaaaggct gttgagcaca tcaataaaac tattgcgcct gncctggnta gcaagaagct	420
gaacgtcgtg gagcaagana agatcgacaa gctgatgata gagatggatg gcacanaaaa	480
taagtncaag tttggtgcga acgcatnct gggcgtgtcc ctggctgtct gcaaggctgg	540
tgcttgtgga naaaggggtg nccctntanc ggcacatngn cgacttggct ggcaatgctg	600
aagtcatnct gccaggtncg gcttttaatg gcatcaacgg nggctttnat gctggcnacc	660
aagctgggcc ttgccggann ttattaatcc tttctggtgg gggcccaaaa cnttccggga	720
gggccattcc ccattggaac caaaagggtt anccccaanc ttgaaaaaag ntcttcaang	780
ganaaaattht gggaaaggat gnccccccac cctnggaaaa aaaagggcng gtttttnccc	840

ccaacattcc tgggnaaaaa aaaaaaaaaanc ccttggaact ttnttnaaaa aaggcccttt	900
ggcaaagggt tgggtttcaa aggnaaaang ggcttnattn gggaatgggc cnaaaacttg	960
ccctttaa	968

<210> 1419
 <211> 973
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(973)
 <223> n is a, c, g, or t

<400> 1419	
ttnancacna tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggn cacgcangcc ctcanctatgg agggagcncg nccgctgncg gcggctcgcg	120
gcagcntctg aagaggccaa ggcggaacgcc ccctctgcgc acagtggctg ggggtgcgca	180
ccgnctcang ggctggccca cacctttctc tgtgagggcg agggctaaat ataaccggga	240
gagtgaagcc agtgataagc tggggcctgt ctggncctga nttctgttga gacctggcgg	300
ntagcagggc ccaagctagg nccggtggg agacgttagt gtctccttgt gctaaaggcc	360
tggctgacct caccacaag atcccagcct cccactatt tatagcccca gaggccctgg	420
gagggtaatg tgggggcaag aggaaaaagt ggaangaacg tgtgcatttg aaccttttga	480
gtcttggtta tgctgctaaa aaaccacatg accatggcaa gttgccttag gcacttcacc	540
ttaaccttcc ttacttgggc aagtgggggg ngatggncca catataaatg cttggggagg	600
nccatttgga naatcacaca agaatgcaaa gtancaggtg cccgnttttg tttgattgaa	660
ccacaggctt tccaaatcca agccacttgt naggcctttg ggccctgaaa atttcttgaa	720
acnaacaact taggtttttc aagggaaggc ttggncctgg gcctnaaaaa nnttttgntt	780
tgcatttttt tttgaancaa aagggggttn aaacgntaaa gggcctnccg ttttnaaagg	840
nnaaaaaanaa ttcttngggn cccaaatttt ttaaaaaaaaaa aggggtttgn cccccccna	900
aaatgnatta nggggcctgg ggggggggtt tttaaaatnc aaangggggg gncncagntt	960
tttttttttt ttn	973

<210> 1420
<211> 982
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(982)
<223> n is a, c, g, or t

<400> 1420
tnnanaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggct cgagtttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt ttnggnnnn 180
nccnaaaann nnnnaaaaaa nttttttttt ttnnaaaaaa aaaaaaaaaa aaaanttttt 240
ttnnnnnggg gggggnnnnn aaaaaaaaaa tnnnnnnntt ttttngggg ggcccccccc 300
ccnntttttt tttaaaggnt ttnnnnnann ggggggntn nnaaaaaaaa aaangggggg 360
gnaaannggt tttttnaaaa aaaanttttt tanncccccn ggggggnaaa aaaaaaaaaa 420
ngggntnaa aaaangnggg ggggggggnc cccccccccc cncnnnttnt gggggggggg 480
gannnnnnan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnccggn nnnncggnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnncnccc cccccccccc ct 982

<210> 1421
<211> 918
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(918)
<223> n is a, c, g, or t

<400> 1421
ttnnnnaaan ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggttc ctgttaactc ttaataaact tacacatgca agcatctaca cccagtgag 120
aatgccctct aggttattaa aactaagagg agctggcatc aagcacacac cctgtagctc 180
acgacgcctt gcttaaccac acccccacgg gaaacagcag tgacaaaaat taagccataa 240
acgaaaagttt gactaagtta tattaattag ggttggtaaa tctcgtgcca gccaccgagg 300
tcatacgatt aacccaagct aacaggagta cggcgtaaaa cgtgttaaag caccatacca 360
aatagggtta aattctaact aagctgtaaa aagccatgat taaaataaaa ataatgacg 420
aaagtgaccc tacaatagcc gacgcactat agctaagacc caaactggga ttagataccc 480
cactatgctt agccctaaac acagataatt acataaacia aattattcgc cagagtacta 540
ctagcaacag cttaaaactc aaaggacttg gcggtgcttt atatccttct agaggagcct 600
gttctataat cgataaaccc cgataaacct caccaattct tgctaataca gtctatatac 660
cggcatcttc agcaaaccct aaaaaaaaaa aaaaaaaaat tngggggggg gcccggnncc 720
caatttgncc ntataggggg ggnnnnntnaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnn 918

<210> 1422
<211> 995
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(995)
<223> n is a, c, g, or t

<400> 1422
gcntatntgg agctncaccn cnngggcggc cgctctagaa ctagtggate ccccgggctg 60

caggncnncg ncccgnncgg ggntgccggc atngcaagaa cnanccgnac ncagnngn	120
ncttcngtcn atgtgnacnt gatgctanaa ttnatatnnt ngncnngng cgnannaagn	180
cnaaancggn tgaanccna ctntntngnn nnnnnncngn naannannnt nancagnttt	240
gatctnaaac cttgtnggct gcgantatth gtaccncna ntanngtg anganctgag	300
acngaaaagg ntncncata ctntngngc tncanccgtt anatgnnatg cgnangancn	360
ngatgtngtg ttgtgctgna ttnatacac tncncacngg tanncgcnnt gnnnttngaa	420
ngncnnnngn nnnanggnnc nggnnnncn ttgnncatgt cntaaagggc ntngaacca	480
aannngagnn cnnngnacnt gnnantgaat gcctncgacg gncnannnn aancnncnn	540
gccgacaaaa aatcnnttg natcaaaann gnngntttan caanntnaac gcggatgaan	600
ntcntnncat gncggnataa angngannta taccanantg angcngggnc taatnaattc	660
ctaannatgg aancgtgtac caatggcngc ccttcctaat tagcctcaat nctttcccta	720
ctntnganan nctccantaa aatgctaggn tnttgtaaaa aaaaaaana aaaanaaatt	780
ggnggggggg ggnanattnc caaaaanaac ctttaaaan ggnnnnncnt naaagcaaat	840
tttaangcn cttgnanaat ttngnaangg gaaanntntg gaaaaaana aaaaggcccn	900
natttnnnncn naaaaagggn ntttnnnnan cnatnaaaa aaattcnggg nancccaaaa	960
ccngnnnctt tttnaanaan nnnnaaaaa cncnn	995

<210> 1423
 <211> 988
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(988)
 <223> n is a, c, g, or t

<400> 1423	
ncnactggag ctccaccgcg gggggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggaaattcg gcacgagggc tggatgcaga ataggataat ctggagaatg gaggaagaat	120
gcaaaacgat atagtatccc ttatggatgg tacatgtgca acagggaact atttcatata	180
cccttggcag tctctgataa tcaggaggga agaaaaacct ggaatttga ttaaggctga	240
tctttctggg ttttgcgcac tgtggctctc ccaggcatat atagtgaagg tgaatgtctt	300
ctccctcaga aaaactcagg ttccttgctg tctgataag gcatagcttc cctgccgtaa	360
cttaaaactc agtgaggact taagaggga agaagaggc aaatatatag gactgcagga	420

taacaactgc attgttgtgt actgtggaat ggggagggca ctcttgagg aggactgctg	480
aaggtgggtca gtctacctga gaatggaaga catacttggt ggggagcang gtatgtgctt	540
ttatatgaaa agagccgatg ttaaaactca tttggtagg taaacgttgc acataccttc	600
acataangga tagtatattt tgggttgtag tcaaacttca ttgtgctcaa actggtgaaa	660
atgcagtttag gctttttgta aataccaaaa aaaatccggt ctcaacttta attcangngg	720
ctactgctac ttcanaatga ttttaaaagt ccccccccc tcccccatga annttcttcc	780
tattttttat gcctggaacc ttgccccaa nnttttgttt nnggaatttt acttntttta	840
attttgaaaa tnancnttn taaanntcna gcccttgnn ttttnanant nanntttttt	900
nttntntnch ttannnaaaa aaaaaannnn nnnnnnnnn naaaaaacngg nnnntntttt	960
ccttnnnang ggnntttnn nccanct	988

<210> 1424
 <211> 1232
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1232)
 <223> n is a, c, g, or t

<400> 1424	
ttnnnatagn gaatngntan ganncnaccn nctnnncctt tgagcccnat agtgagtcgt	60
attacagggg cggccgctct anaactagtg natacccccg ggctgcatgc tccccncncg	120
ttgcnccttt tncngctcgc cccctgtccc ngcncccccc gggntnttcc ncancncatc	180
ccgtntctat ccccnantc canaganana ntgannttcn cttgnatnaa cgaggaaan	240
tntngtcta aaaatctttc cnttntntn gncnnannn gaatnctnan tnaantannn	300
tagnactcgg gctnccccgc ttatntatnn taaanangcc ncctnnccgc tncnncatat	360
gtttnttcct tcaccacnnn nantntctcc ttgntncgtt cnnngtnncg ccccanntcn	420
gcncnncna ctaancnccc naannccntn nnncnncatt cennntaacn angccctang	480
aactntntnn ttncctttcta tccnncacac caccnttna tttctngctt cactnnnngc	540
cncctnttcn agnttcataa ttnttcctnn tgtannctcc ctgcnaancc aaaaantntt	600
nnttnttctt tcnccntccn nananctnnt nnatancatc tgccanngnc ncctncgcna	660
antctgcncct ctctntntn atntatgccn gnataccttg tncgtctcat aatnatnata	720

nnttnanatn nccccntna ttttctcnaa tccngtctcc tangcgnnnc ttaanacanc	780
acnattnatt ttccccncc ncnntcctcn ctctccctcc ctttctncnn ncnccccnc	840
cccacncttt cccctttcnt nttcntccac gcccgtcnnt cctanntact nngcncnctn	900
nttnanctcc nccccncct cnntcttctc tncncnntnn tcttnntntc acncnatata	960
ancgacnnca taantcttac agntccctna agantntcac cntcatatct ctntcncnnt	1020
cctcnnncan tccntatcan ncgcgctnct ttatttgagt taatttgnt tgtntntnta	1080
nccgttntng ncnctncttt ccngacncgn nnnncnntc cncctntntan tncgcncctnc	1140
tcttnatcta nttctntcnt cacctnannn tcnnaccnca ctctctcagn tcnaccgtnn	1200
cgannnnctg cncctattca nagagngcnc cg	1232

<210> 1425
 <211> 1042
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1042)
 <223> n is a, c, g, or t

<400> 1425	
tnagncctat agtgnggtcg tanttanagg ggcggcccg cctagaacta gtggatcccc	60
cgggctgcag gaaattcggc acgagggcgt gacgtgcnnt ngccgccacc tggtnnncat	120
gggncancac ttctgtgtaa ganaanccac nangtggaac ggngacgann tanactnnnt	180
natcngctnt ntgncaggct gtcangaant canataggag tnccgtnccc agnacatcnn	240
cnttcnnnnn ntgctgntgn tnaacnanga tnngttnaan agngncnna acntntagct	300
gggggcacag attannatct antntgnntt tnancngctc ncggacnctt annгнаagg	360
cgngnncang acncttntnc tccngannna gcagaccgc accntttana cagaggggtca	420
nnaacnnata nntttntggt gtgttganac nngaacaccn acctctttnn ncngnngccg	480
caganccnca anactnttgt tcgtntgnnc ngtancncc cccctccttt ncannnagg	540
catnnnagca naanactant nttgtgnnnn tnaaacntgg gtgncccntc nctcttttna	600
caattangtg ntnacaactg ncttcnnttc taaaantnnn ncntaancga cnaagantnn	660
gtnnntcnat atnnnttggt ctcnnttntc ctctnncana nngatnttn ctttctcnn	720
gtctntntc ncnntaattt annataaatt tntctntgnt ttatacnaat tttntntnt	780
nnntggcnng cttnaanctc cctngaactt ntnttnantc nttntntntn acntcnnttn	840

aaacactcctt nnntnntntt cttnggtntt annttnnctn tntttnanct tgtnnctaga 900
 gttttccctc tattcttttt ttatntanan ntctnngtct atttgngntn cggngtctag 960
 nnnntnnatt ntctgtntct cantanactn anangactnt tntctgttct nanctatattt 1020
 tcttntncna tcntcatccc cg 1042

<210> 1426
 <211> 1042
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1042)
 <223> n is a, c, g, or t

<400> 1426
 tnagncctat agtgnggtcg tanttanagg ggcggcccg tctagaacta gtggatcccc 60
 cgggctgcag gaaattcggc acgagggcgt gacgtgcnt ngccgccacc tggtnnncat 120
 gggncancac ttctgttaa ganaanccac nangtggaac ggngacgann tanactnnnt 180
 natngctnt ntgncaggct gtcangaant canataggag tnccgtnccc agnacatcnn 240
 cnttcnnnn ntgctgntgn tnaacnanga tnngttnaan agngncnna acntntagct 300
 gggggcacag attannatct antntgnntt tnancngctc ncggacnctt annгнаagg 360
 cngnncang acncttntnc tccngannna gcagaccgc accntttana cagaggggtca 420
 nnaacnnata nntttntgtt gtgttganac nngaacaccn acctcttttn ncngnngccg 480
 cagancnca anactnttgt tcgtntgnnc nngtancnc cccctcttt ncannnagg 540
 catnnnagca naanactant nttgtgnnnn tnaaacntgg gtgnccntc nctcttttna 600
 caattangtg ntnacaactg ncttcnnttc taaaantnn ncntaancga cnaagantnn 660
 gtnnntcnat atnnnttggt ctcnnttnt ctctnncana nnngatnttn ctttntcnn 720
 gtctntnctc ncnnataatt anntaaaatt tntctntgnt ttatacnaat tttnttnt 780
 nnntggcnng cttnaanctc cctngaactt ntnttnantc nttntntntn acntcnnttn 840
 aaacactcctt nnntnntntt cttnggtntt annttnnctn tntttnanct tgtnnctaga 900
 gttttccctc tattcttttt ttatntanan ntctnngtct atttgngntn cggngtctag 960
 nnnntnnatt ntctgtntct cantanactn anangactnt tntctgttct nanctatattt 1020
 tcttntncna tcntcatccc cg 1042

<210> 1427
 <211> 976
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(976)
 <223> n is a, c, g, or t

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<400> 1427
tnnnnnnaaaan gctggagctc caccgcgggt ggcggccgct ctagaactag tggatcccc 60
gggctgcagg aattcggcac gagggtgatc ttacgtcctt tttaaaagcc ctgctgctgc 120
tgctgctgct agtcgtgtct gactctgtgc gaccccatag atggcagccc accaggctcc 180
cccatccctg ggattctcca ggcaagaaca ctggagtggg ttgccatttc cttctccaat 240
gcgtgaaaag tgaaattgct cagtcgtgtc cgactcttca cgaccctatg gactgcagcc 300
caccaggctc ctctgtccat gggattttcc aggcaagagt actggagtgg gtttaaaagc 360
cctaggactc taggaaaacc tctctcttca tctagtgtgg aaagcttatt aagaaaggag 420
tggaatgagc cttaccagat ggttcccagg tggtgctaata ggtaaagagc ccacctacca 480
atgcaggaga catgagagac atggattcga tctctgggtt gggaagatcc cctggagaan 540
gaaatggcag tctacaccgg tattcttgcc tggagaatcc catggacaga ggagcctggn 600
ggctgtantc catanggnca caaaaaagtn tgaagtgacc taacatacat gggagntaac 660
aggacatttt aagaaaaaag gaaaagctta accnaaggcn ggctgtncaa atcgtgagaa 720
acttncnca aagtnttctc tgagntataa atgcctgaaa ancntcncca accccttttc 780
ttttggaaaa aaatggcggn gtatttttgc cnncccttga gcaacttgaa aatttttttt 840
tttnaaacca agcnccttaa aatnggnaan nntttnttgg gggnaancct naaaacctct 900
tttttaaaag gccccttgn tttttaaggg ntngggggct ggggaanaaa ntgggccnaa 960
aaacctgggg ggttga 976

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<210> 1428
<211> 955
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(955)
<223> n is a, c, g, or t

<400> 1428
tnnaacaaan ctggagctcc accgcggtgg cggccgctct agaactagt gatcccccg 60
gctgcaggtt tcagtccttt ggatctacgt ttccaattaa gtattagtca agtattaaca 120
gcacaagtaa tgggttaact ttagactagg aattggtgtt ggggtggggg gtgcaagaat 180
ctttatttta ttttattttt ttggataaaa gttttatcta ttatatatta aacgttcttg 240
ctgctgtgct gcaaagccat agcagatttg aggcgctttt gagggccgaa ttattctcca 300
agttgagaga tgtcctcggg ttgaattgaa agccctaccc aaaactgcag tgggaagggg 360
gagagccttt gcctccactg cccaccctc accctcctcg tagaccctct gccttttgaa 420
agcagatcat tttcactgag atgttggaca ttgcagatgt ctgttcccca ggccagcagg 480
gacctctgaa accttcatgg cctggccttt ttttttttca anccnggggt tttccaaagg 540
ganaccnngg attttggaat tcgaaaantt ttccaagctn ttttctnaa atttnanaac 600
ctttatncna aggtnaaatt ggaagggctt gtttgnaaac cttnaccccc cttgaaancc 660
cccccttaat gaaaaaacct tgggggggtg cntnaaaaaa aagganggtg ggnattnaaa 720
gtttaaaaaan nccccggttt tttgaaggcc naaattnccc cttggggaat taaannattt 780
ccnggggttt ccttggtccc nttaaccct ttggtgncc tggggaaggg aattgggggn 840
aaaaaaaaat ggttggtttt ttccccaaa cctaaccccc aatttcnttg gaattaaaaa 900
atgaaatttn aaagnttttn ntttttgga aaaaaaggg cctttttggc cggnt 955

<210> 1429
<211> 1130
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1130)
<223> n is a, c, g, or t

<400> 1429
ttganacaan ctggagctcc accgcggggg cggccgctct agaactagt gatcccccg 60

gctgcaggct cnnngnacna ngtttttttn nttncngctg ggntgnacct gtncncgggn	120
ngncnatggn nccccacctg nccctaacct gctcctcctt ggctatganc ccaccaggga	180
catccctggc tcctgntggc cgtagngngc tggcatggcc cacctngggg ctnacctgct	240
gcnnngcngac ttgcttcccc gcctgancct gtnaccttgn tcnctactgg taaccnntcc	300
ttnacnngnn gcctttncan gggncntacc ccangggant gattcttctg cnetgntcct	360
acctngctt atttcttggn cgcttnggtt tcctnncttg ggtacanacc ctggtnttct	420
gntggnnntna ngaatgctcn ctctnggcc ngnaantgaa tcttcncttg gggnaantg	480
annantctnt tttnangggg tnnntngaan nccngtnnt acctnngcnn nggnaaacan	540
anancntgga tntctngncn cgctggnct ttgggntcan aatnccatgc nntnggggna	600
naacctannn cntagngttt nngnancccc nncnnggggg gnntncncct gnntganant	660
tttnntattn aanatccttt ncgggctctn aagggnntan nnnngngccc cncaacnttt	720
cacnatntcg ngnnnccccn cnannaaaaa aaaancncc tnnctctttn cccngtcgct	780
cncaannaca nccnnnnnnn gncntcanna angngggngc ttcnntntct ncctanannt	840
nnnnnnntc nccnannnt caatgncngg nagtatanan nnnntattt ntngngcanc	900
tccgtntncc gtgtgnnnca tctntctnn gncnnnatat ncngcnngn tncctnccna	960
cntnnacttn ntnnccnate nttngtcnc ntannntna ncnangctg cncctctcc	1020
aactntncat tctcgnncn gcnnctcnn tttntcant ancancnncn catctactn	1080
tcgntnanat gctntgtnt nctctgcttn ncncttttn ctcnntncca	1130

<210> 1430
 <211> 954
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(954)
 <223> n is a, c, g, or t

<400> 1430	
ttnanaaaaac tggagctccc cgcggtggcg gccgctctag aactagtgga tccccgggc	60
tgcaggaatt cggcacgagg gtccgagtcc tctgatgtcc tgtccaagtg aaaggctcct	120
gcggtccctc ccagcctctc cggtcattg gctcctgcag atggagctgt gcaggggagc	180
atctgcacag gagacctgag gtttcgcccc tgctctccgc ccacacctgg ggggagtcga	240
ctgcctgggg ttgccccttt cgcccatgac cccacctaaa agccaatgta agcgtctttt	300

tcagaataaa tccaattcga gtaaaaaaaaa aaaaaaaaaan ntggggggggg gnccnggncc	360
cnatttcccc ttntnggggn ngnnnncccn cccccnnnnn nccccnnnnn cccccnnnnn	420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccccccccn nnnnnnnnnn nnnnnnnnnn	480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnn	954

<210> 1431
 <211> 1003
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1003)
 <223> n is a, c, g, or t

<400> 1431	
annactggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca	60
ggaattcggc acgaggtcct ttattcctac tcagactgtt gcacatacta gccttgggag	120
ttcctagaat agaaatcctt aggttttaat tccagtcttg tttccaccta cagagtccca	180
acgtggttat tgcaggcaac gttccctctc tccgtggtct agaagcccct cccccaaggt	240
agaaagaagg gaagaagcta actccagtgt ttccgttgca ctgatcccca attcagtcca	300
ggagggggct tggtaacccc tctccctcaa tctcctggca ccttgggctt gtgaacgcct	360
cctagccaaa tctactagagt acagtgacct cagcctcctg cctgtcccga gtgagccctc	420
cccaccctga ccgtgctaac tgtgtgtaca tatatattct acatatatgt atattaaacc	480
cgcactgnca tgtgtaccct ttttctgtgg ngctctagcat taacttattg tcaaggccccg	540
ggcgggggtg gaaggagaat gccacagtga agggagtggc anagtcaa attgctatatag	600
tcgaaaaaga aaactttttt aaactttaat ttcacatgca atctcaagag actattttaga	660

gagtttaagt gagngggggg agcttttggg atgttgggga acaaaacttc antgggaagg 720
 aaagggctgg ttgttgga gaaggacaan cccactggnt ggagaagcac ccttttataa 780
 nccaagccca naccanacc ggtncctttt ngccacttgt gggggacncc tncctttaaa 840
 acanacacct tcnngggtnc tncacaagt tttnccttaa angaaccttc ccnagatttc 900
 cccnaccnt ntctnggggtt tctcccnca gnangagaan anaancnttt ganaanttgn 960
 ggangtgga aannaacntg aattntccn ttccaacnag gct 1003

<210> 1432
 <211> 1318
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1318)
 <223> n is a, c, g, or t

<400> 1432
 gncnatnng ggangnngca tnacaggngg cnggccgctc tagtaactag tggatcccc 60
 gggctgcagg naatcncggc cacgagggct gntatgcanc aatangcatt aatcatgtta 120
 ataannngng ggggaggaac tactttcatg atagnnann nnnnnnctc gngatnngan 180
 acnanagggc cncntttgag annanttgc nntacnagc ncnggncgtg nactcncnta 240
 taancacann nntgntnagt gnntnncna anctcgnna tcngaannnt ntgnnaacnt 300
 gcantgtnc agagaccna tncatggnn gnnntgggt ngacctnca ntcacgcgt 360
 nnatnnantn cgantgnng tcgatctnct cnnnncatgg nntctnatat ntcatngnn 420
 nganagtcgn atcatnang antanntann nggantnct nctnngatat tcttncncn 480
 gntcntngac angacgaca cgnacnncac acgcagtng tnnngangna agatncntnn 540
 tatngccacn anagnnngna agantanacg agtntnnac atcntnagng ngcgatacnc 600
 nagttcnnna cgnnttan ntagtagcgn nngngntcnc nagttttaat gtcntngnc 660
 annngcnnac ncannnnnt catnatttn tcnnnnnana tgnancnna tnagtngtn 720
 gcnnncngcn nnnnncgtga ncccanatg ntncntncat gatctcantt anannggagt 780
 nntgacaana ntntnttgan antnngtna cagtcnagna gannccatca gnnngnaca 840
 natnnnngna cncntntgtt ttttnntcg acagtantnt angttntnt nncnatagag 900
 nnnagtagtc tgntnncaga nactctagna gacncntng nnccttnta gtnnatantn 960
 natntntnc ncgtngact cnnnnanact tctntcnac ttttnctgc ntntgtcnca 1020

aganaccgat tgtgatnanc ctannntnac gntttcggag gagannnncg attccnncnac 1080
 tntncnncca nggtctncct ngtngcctcn gacnaacnnt atncnctcct gttagtagca 1140
 tnnacgcnga gnngntantt nnatnttgna gcttcatggt natggtagtn tgatgtangt 1200
 agtaggaatg aagaanntgg aantagnan aaataaanag nanaagtcgn aagcanaaan 1260
 taaaggangn nngacgnacg cnatcantaa cctcnntnnn natntcgttc ctccgtct 1318

<210> 1433
 <211> 1487
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1487)
 <223> n is a, c, g, or t

<400> 1433
 tactaanggg agggacncan nnaacncnnn annttgngc tngaggccct catagtgagt 60
 ccgcattaca gtggtinnccg cccctactnt nnagngtgat cnaaccanan taccattacn 120
 cattatttcc cnnntaatnt ttatttatct ncacnannac aanctctgat ancntnttcg 180
 ntcnnngggn ttatcntntg cnctnggtt nnaanncatn naccctanat ctgncncnan 240
 cccttattct tcaanntang antncgnncn catcntnatt atnnatagan nnntntantc 300
 tnnnnacngn aatcaaagcn ncnntntntt ttctntntn ttatntcnct cttgngann 360
 ccccaggann cgntncantt ntaattatat gtcnctntnc tncnttnntt ttnntanttn 420
 tntttnttc ttacgcgtna acnantgtnc natatanntt ttgtancgat naggcacnnn 480
 nnnattaant ttngtgtcta tactntnnnc cgnnacnncg naannccatt ttctatcntn 540
 gntntannca acntcnncaa tntntntntt tnnnnanntn nncnncgana cannnngnnc 600
 acnttnannc tattnngccn nctnncccag acnnacnngg ctnttcctcn nnntaatann 660
 tnanctncat ggnnnctatt tngantatnc naaatanntt tnttatatna tncaaannna 720
 tcangtttnn ctataagtta tnnanntcaa gnggannnan taanacgctc cangctangt 780
 tntctcnnga nctntgaga tataaaannn ntntnnagnn cnnngatann gcaatnttna 840
 tngtttgnc ttntatccta tngnntatnn tntannnnnt nnnctngnnt nnntncgtcn 900
 tcaatnttna ntntnatttn tntnacata attttcacct actctnncat nnnatnnnc 960
 nnnnatnaan ccncncgtt ctctctctc acctntcncc tcatcacttt actaatntnt 1020

aatnatchnac gcgntncgct tnnanangtc nnnanncnnt gtntcngtcc tcnnncgatn	1080
tactcagccn annatnntcc ttaattacnt gtgctctgcn natgttatca tttacangan	1140
nngantccta tnttctnnat tnnntctnqn antnnntcan nngatannta tacctatatt	1200
actcnctctn caatnttaca gntntaatan nngcnngaca ntntatgatg nancgntata	1260
tgtanantac tcatatcnnc gtgngcggtta cnanntncna tatctcctca naangtnnct	1320
ncctttntca gtgacacaan atnngatnnt gnccgctana gnngnntggt nannnnngnat	1380
ntnagtatca ttatntatta ntngtncgct cacatanacg nngnncngnc gnctnnnctn	1440
tattnncata tatnaacgnn tcnctaaaca nntaatnnnt agagtcc	1487

<210> 1434
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

<400> 1434	
tnagcctatn nggagntnna tnncagtggc ggccgctcta gaactagtgg atccccggg	60
ctgnaggant toggcacgag gccctgacgt gcacatgcgg gacctggtgg gcatggaaca	120
cnatttcttg ccangtgaac ccancnantn gaacggggnc cannnntanc anntnnttcn	180
ntnttttgcg ngntngcnag aaatngcaaa ngaattncct ncccangaaa angacnggcn	240
ancnctnntn ntgntnaagg nngancacct gangaatgnc atnaacntta anctggggcc	300
ancccttaag aantacncac gtatnagcat gcnaangac nttaaggctn gncggcgccg	360
ggcttctcct cccgaacgag canaaaccgg tngacactct tngggggccc aaagnacagg	420
gcggtcaagg gaagggcccc cgctgccggg gcgtacctgt gggaggaggt ctcnngacct	480
ccttggtggg ctctcaanng gcctttcttt ntgtgggagn ggcacaaagg tangtggcac	540
acaanatggg gctntatgct tntanaatat tggtgacact gtntttttcc anantnccac	600
gactctagcc ccgcttcttt ttcnctnttt tttgtgcccc attnttcaag gggtantatg	660
gncanggctt ccancctgn ggtgggggna tttttcccag gngnanccnn ccgggcnctt	720
caagaaaaag gncttcntaa anccctccnn ctggcntttc tttccttttt ttttttttgg	780
ggggcccaac catntttnt tcnngntggc agcctttttt tccactttta aaactnttt	840
acttnaannc cgcccanaaa ggngngnttc cctntntacc ccntccaag gngggangga	900

aaaaaaaaa tttgntnccg gntttgtttc anccccctcc tttggttnna aaccccntta	960
aatcncctttg nngggngaaa nngnnttgc	989

<210> 1435
 <211> 989
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(989)
 <223> n is a, c, g, or t

<400> 1435	
tnagcctatn nggagntnna tnncagtggc ggccgctcta gaactagtgg atcccccggg	60
ctgnaggant tcggcacgag gccctgacgt gcacatgcgg gacctggtgg gcatggaaca	120
cnatttcttg ccangtgaac ccancnantn gaacggggnc cannnntanc anntnnttcn	180
ntnttttgcg ngntngcnag aaatngcaaa ngaattncct nccccangaaa angacnggcg	240
ancnctnntn ntgntnaagg nngancacct gangaatgnc atnaacntta anctggggcc	300
ancccttaag aantacncac gtatnagcat gcnaangac nttaaggctn gncggcgccg	360
ggctttctct cccgaacgag canaaaccgg tngacactct tgnngggccc aaagnacagg	420
gcggtcaagg gaagggcccc cgctgccggg gcgtacctgt gggaggaggt ctcnngacct	480
ccttgtgggg ctctcaanng gcctttcttt ntgtgggagn ggcacaaagg tangtggcac	540
acaanatggg gctntatgct tntanaatat tggtgacact gtntttttcc anantnccac	600
gactctagcc ccgcttcttt ttcnctnttt tttgtgcccc attnttcaag gggtantatg	660
gncanggctt cccancctgn ggtgggggna tttttcccag gngnancnnc ccgggcnctt	720
caagaaaaag gncttcntaa anccctccnn ctggcnnttc tttccttttt ttttttttgg	780
ggggcccaac cattntttnt tcncgntggc agcctttttt tccactttaa aaacttnttt	840
acttnaannc cgcccanaaa ggngngnttc ccntentacc cccntccaag gngggangga	900
aaaaaaaaa tttgntnccg gntttgtttc anccccctcc tttggttnna aaccccntta	960
aatcncctttg nngggngaaa nngnnttgc	989

<210> 1436
 <211> 957
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(957)
 <223> n is a, c, g, or t

<400> 1436
 tnnanaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa nccgntgncn annctcaacc anccataaag atattggnac cttttatcta 120
 ctattgggng cttgggccgg nntagtagga acagctctaa gccttctaata tcgcgctgaa 180
 tnaggccaac ccggaactct gtcgagagac gaccaaactct acaacgtagt tgtanccgca 240
 cacgcatttg naataatctt cttcatagta ataccaatca taattggngg attcgggtanc 300
 tgacttgtncc cctaataat ggggtgctccc gatatagcat ttccccgaat aaataatata 360
 agcttctgac tcctcccttc cttattccta ctactcctcg catcctntat agttgaagct 420
 ggggcangaa caggctgaac cgngtncctt cccttacagg caacctancc catggcagga 480
 ccttaagtan atctaaccat tttntnttta cacttagcag gagtttcctc aatttttagga 540
 gccatcaact tcattacaac aattatcaac ataaagcccc ccgcaangtc acaataccaa 600
 acccctntgt tggaatganc cgnaataatn accggccgna ctactactaa cttttngttc 660
 cctggattan cagccggcat cacaatgctn ttaacagaac cggaacctaa atacaacctt 720
 ttttcgaccc ggnnggagga ggaaacccta ttntatttca accctttatt ctgattnttt 780
 gggaccccc gaaggctata ttttaaant tancnggggt tgggaaaaaa tccnttcata 840
 ttngggaccc tacttccttc ngggaaaaaa aanaaacnn ttngggaaat tttggggaan 900
 aggnntgggg cctttaaang gcaaanngga attntagggt gttcaatcgg aangaac 957

<210> 1437
 <211> 1060
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1060)
 <223> n is a, c, g, or t

<400> 1437
 ttgaaaccac tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct 60

gcaggnttna gtccttngga tntannntcn aannaagtat tagtcaagta ttnggnngca	120
caagtaatgg gntaacttta cactangaat tggcgntngg gtggaggggtg catgaatcnt	180
tattctatattt natttttttng gatanaagnt ntatctatta tanattaanc gcncttgctg	240
acnnnntgca naaccatana taaattnnan gntaactttt agggctggan tgcttctcnn	300
nntncngnan atgnccnnaa gnattcgaat nganaccccn aancagaaaa nnttgnaang	360
gncaggngga aatgnttnta ccttcgttgg gnngancctc accgaaatnt ttnaccctgc	420
agannnttgg gcnatacngc tnnntctann cntgtngnna cannccttnc cnaatgcnn	480
atctcatctc tntnngtttc cnnnttntnc ctnnnnntgn ccnttgcntt tttttttttt	540
ccntttcnnn tngtngcntt ttttactntn tcattctann tttatngant tnnnnaatnt	600
ccnantnnnn acnannnctc httnnacntc tattaantac tatngancnn nctnatcna	660
nnatgtntn nntttnatnt ccngncnct cttctttcnc nccntntatn nngccnann	720
nacnnttngn natnncttct tcttangnnn cannnnantn cnattcntgn atacattnt	780
gannantttt atnttnngna tactctnacn ncaannnnna ncaganntcc cntaactata	840
antacacttt ttttatattt ttnaccgng gnnnatanaa aatacanacn ctngacatnc	900
tncttgacgt nangaccgt nnnacttntt cnacnaganc cnttagangt ntnacnnnt	960
ttncataatn tnaancccn tcatgnntct cagantgct ctattattnn tnanacngat	1020
ttcntacnct agcnatanca gctgangtta ntccctnccg	1060

<210> 1438
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

<400> 1438	
aaaagctgga gtcaccgc ggtggcgcc gctctagaac tagtggatcc cccgggctgc	60
aggccgcat gggccgctg attcgtggc agaggaagg cgccggctcc gtgttccgcg	120
cacatgtgaa gcacagaaaa ggcgccgc gcctacgcgc cgtggatttc gccgagcgac	180
acggatatat caaggcatc gtgaaggaca tcattcacga cccgggccc ggagcgcccc	240
ttgccaaagt ggttttccg gatccgtacc gttttaagaa gcggacagag ctgttcatcg	300
ctgctgaggg catccacacc ggccagttt tgtactgcg caagaaggcc cagctcaaca	360

tcggcaacgt gctcccgggtg ggcaccatgc ctgagggcac catcgtgtgt tgtctggang	420
agaagcctgg tgaccgagggc aagctggcaa gagcctctgg aaactatgcc acagtcatct	480
nccacaaccc tgagacaaaa naagacgcga gtgaagcttg ccttcggctt ccaaaaaggt	540
catnttcttc tgccaacaga nctgtgggtcg gtgtgggtggc ttggaggtgg nccgcatttg	600
acaagcccat tctgaaggcc ggccgtgcct taccacaagt attaaggcaa aagagggaact	660
ggttggccac ggggtggcggg gtgtgggcat gaaacccttg tcgagcattc cntttggang	720
gnggcaacca nccaacacat tgggcaaanc cttttattnt ttgcaaaaaa ccccccttg	780
ttgggcccgg aaagngggtt ttnanttggt tgncccggcg gaaaaggncg gttttcnggg	840
gaaacaaaaa aatgggcccgg ggaaaangga naaacttagg gnttgggggt ttaaaaanaaa	900
agnttggttt ttttttncca acttggaataa aaaaaaaaaa aaaaaaaac ttggggggggg	960
ggggcccggg gcccccannt tttnt	985

<210> 1439
 <211> 1051
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1051)
 <223> n is a, c, g, or t

<400> 1439	
ttganaacgc tggactcccc gcgggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggg gactngttct ctnangctgt caaagtggca gaactcgaga	120
agcgctgac agagctggaa gccactgtac gctgtgatca ngatgctcag aatccccctt	180
cannagntct ncanggagcc tgnctcatgt gtactgcntn nanacntngg ggngantcnc	240
actngccntg tggttgntnc tttcgctcna ntaccacna tnnttncnnn tggatnngcn	300
ngtnttttca agantnnatg ctnttncnn atttnncatn nnngtanaat ttnnnnngggg	360
gggccccnga acccnnatnn tccaattatt tgnnnngnct ncnttnccat ttngnccttn	420
ttttntcttt gttcttnatg tnaatattna cttgcctcca tcantcngtc ttgnangatc	480
aaagtnatnc nttttttgnt tcannttttn gactcctntt ggtattanca ncgtcaactn	540
nttgattntt tttgttncct cnttttctat tnnntcnc ttttnnantt cnggggtntan	600
aanggatnna ttgtnttnaa cancntgctt atcttcttna aggtngactt ttnnccanca	660

tttgnttncn tatnctnnnc tttactcntt tttgnacntn nctctcttn ntcnactcna	720
tntnantctn nnnngnnnnc ttatcnnctn tttctnanan tccnnngctn gtatntttnc	780
ttttntcac tanttgntn tcntnctnn annnaatctt cncctcncta nttttanttn	840
tacaattttg nagnntatgt ncttntttat nactnttttag agnctagtat attttatgcn	900
ntttctnta ntnnttnann nactngntga ntttngnta tattttaatn gntttnnnc	960
gntcnccgta natttctctt ncttgntnta gcggtngagn actccnttan tggctcncgt	1020
acgtctctct ctanctnctc ntttcnnctc g	1051

<210> 1440
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1440	
aaanctggag ctccaccgcg gtggcgccg ctctagaact agtggatccc ccgggctgca	60
ggaattcggc acgagggggg cgggtggcggc ggtggctggc gggtcggcag tgagtgcaag	120
gatcaccatg attcttcaga gactcttcag gttgtcctct gctgttcagt ctgcaatctc	180
agtctcttgg aggaggaaca ttggtattac agcagtggca ttttaataagg agcttgatcc	240
tgtgcagaaa ctcttcgtgg acaagattag agaatataga actaagcgac agacatctgg	300
aggacctgtt gatgctggcc cagaatatca gcaagacctt gaccgggagc tttttaaact	360
taagcaaatg tatggtaaag cagacatgaa tacgttcctt aacttcacgt ttgaagacct	420
caagttcgaa gttgtcgaga aaccacaatc ctgaagaagt aatgtaaaat tgatctggta	480
atttgtccta gattagttgt acagctggcc acaagtaaca gaataaacat ttcatactgt	540
tcaaattgtt ttttaattct gatttcaaata aaattatttg gtgatgtag gtaaaaaaaaa	600
aaaaaaaaac ntcggggggg gccccggtnc ccaattnccc ctttnggggg gnnngnnnnng	660
annnnctn nannnnntcn ncnannccc nanccctngn ncnnttnnc nggcnttnt	720
ncnnnnnnng nnaaaacnn tngcntngn nctntnncc ntcnncatnn tgaanncn	780
nnnnnnct ntnnnntnn nnnnnngttn nnnnnnnnn cncnnnnnn nnnccntnt	840
ggnnnnnnnc ncntngggnn nnnnnnnnn nncnnccttn nnnntnnncc nnnnnnnngn	900
nnnnnnnnnn nnnngtgggn tnnnnnnna antnnnnnn ncnnttnctn nnnnnnnnn	960

ncnnnnnnnnn nnnnnntnnn nnc

983

<210> 1441
<211> 1027
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1027)
<223> n is a, c, g, or t

<400> 1441
gcctatnnng agnngnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg gcacgaggct tgtagttgtc atccttgacc tggctaagcc ctgggagtg 120
tagtgtagat cccatgggat ctatgttgtc tcttttatgc caccgtgggg cattttgtta 180
atttgctact ctaccttgaa tggaaaacag ggccttggtc agaaaaagaa tgctctggac 240
actgctaagg acttagagtc agcccatggt gattgtttgg cttcttgntg tctgcctctt 300
ctttcctagt gtctgcctgg ctctttancca caacctccca aggggtggaca gggggaaaagt 360
tggtggtgtc aaaggtcaaa actatggtgt agaacagtgc tcgagaccct ctgtgatctt 420
tctaaatgaa cagaaattga tccataccaa cgagggggca acttgtcaat ttctttaatg 480
tctcaatatt aactggaatg ctgccttgng ggttctcacc tgcntgaatg ttttgaattg 540
gatgtnatac tggctataag tctccaaagg aataactgac tcaactatct accctgttta 600
ctccagtaaa caagttttcc tcatccctc agngtaaaaa tccttcaaaa ggtaggcgaa 660
tttgcttctg ggggtgttaa agcgtangtg gggatatttt gaagggagga aaagtcnngt 720
tcnggcanaa agnggttttc ccccnntaaa ancttaaggt atttnncttg nntnnggggt 780
ttaaaccnna ctaaaacttt tgnanggaaa aggnntccnc ccccttacna angaaaaaac 840
ntgcttnnaa aaanccaaaa nnggnnttng naangaaaaa aaaanggggn naaaangaaa 900
cntttncctt ggaannttnt tctttngggg cnngggnaaa anacancaaa aaggtgaaaa 960
atatttttct ttntttanaa aaggncanct acacccttg tggnaaannn nnnnnncacc 1020
cctatct 1027

<210> 1442
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1442
 gccctatagn gagtcgtatt ncagtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgagga aggtgccc atnangcgctcn gaaatgctaa gggatatcat 120
 ccgtgaatac actgatgtgt atccagaaat cattgaacgt gcatgctttg tcctggagaa 180
 naaatttggga attcaactga aagaaattga caaggaagaa cacctgtata ttctcatcag 240
 cacccttgag tccttggtg gcatactggg aacgaccaa gacacaccaa aactgggtct 300
 ctttttantg attctggng ncatcttcat gaatggcaac cgtgccanng aagctgtcct 360
 ctgggaggca ctacgcaaga tgggactgcg tcctggggna agacatcccc tncttgaga 420
 nctgaggaag cttctnactt acnaatttgt aaaacaaaag tacctagact acagacgagt 480
 acccaacagc aaccctcctg agtatgagtt tcctctgggg cctccgatcc taccatgaga 540
 ctatcaagan tgaanagtgc tacgattcat tgctgagggt cagangagag accccctgtn 600
 acttgactg cacagattca tggaggcccc canaannaag ccctnggatg ctttngtatg 660
 ctntntccc ccatngctt ganagcacgg gctgtaggcg annaaccccc cntggggga 720
 attngngaa tgaangnncg tantcttnnn gcccttgtn agccttgga tgancaattn 780
 tattttttaa cctgctgann nggtgggatn aatggaantg gngaattnt gntngaanc 840
 cntggncca gaattncca ctttaacctt nttggggccc ncnatactnc ccnaanaata 900
 gnctttctcn ccatnatttt cntaaaanc nttttccggg nccccantna ttngtcccct 960
 tgnngnctna cnaaaaccaa nttcccnnc ntc 993

<210> 1443
 <211> 1309
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1309)
 <223> n is a, c, g, or t

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<400> 1443
nccncagnc aannntttta ntntnnnnnt ttntttnnnn tntnnnnccn ntcnnnnñtn      60
tantnttttt ttacctant ctnttggnnn ngnnnnncgnt ntnacctttg annncactgg      120
nctccccgcg gtggcgggccg ctctagaact agtggatccc ccgggctgca ggaattcggc      180
acgaggttgt nanttaccaa ttacctgngg tattggagaa gactcttgag agcccccttg      240
actgcaagga gatccatcca gtccatccta aaggagatca gtccctgggtg ttcattggaa      300
ggactgatgt tgaagctgaa actccaatac ttgggccacc tgatgcaaag agctgantca      360
tgtgaaaaga ccctgatgct ggcaaagatt gagggcagga ggatcaaggg gacgacntna      420
ngatggcntc accgacacaa tggacatggg ttgggtgga ctcacacagt tggatgatgga      480
catgggaggc ctggcgtgct gtggttcatg gggtcacnaa gagtcggaca agactngagc      540
gacttgaant ttaactgaac tgnnnntacc tctcctncnn tcttganna tanccncctt      600
acnctctnct ttctnaaac tggantnttt gaaccttttn ctngccccng ggccattgnc      660
ttttaaatan tgggtccaat cttnanntgc ccattattag naagngttta aaaagcanct      720
ttttcttnat ttntttaaaa antaaaaaaa aannaatttg ggaccatctt nccccntttt      780
cntncnntnn ncnttctttt ncttccnatg ntagnggnen cntttnactc cnctatnttc      840
ctccncnttt tcnnnattnc nnnnantann aaacttactn acnncccgtg tnccntcgcn      900
nttgatattc ntccggggnt cnnccnntta ngntctccc ntncccntc atgntantnt      960
tntnntnaga tntcctatct ctntctatnc ctctangtc tccttcgatt tcaacatngn     1020
tanaccnct ngnatgtntt ctnacctntc gangtcctgc tcggnnngct ctncncnct      1080
attctctcan nntgttnggc actcgacnn anttntctac cactcttgna gggttntncn     1140
tanagnacac gcctnnntat acnnntcacc tacnanntc ctnnccgnga ntntgnannc     1200
gnannttttn tgttcctcac nnntnatata tctgtcgccn nggagtgtnt taacgactnt     1260
ctcttgtnct ncgtttgnac gcacnctccg nnangntgcc nacncnccg                    1309

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<210> 1444
 <211> 1309
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1309)
 <223> n is a, c, g, or t

<400> 1444
 ncccncagnc aannnttttta ntntnnnnnt ttnntttnnnn tnnntnnnccn ntcnnnnnttn 60
 tantntttttt tttaacctant ctnttggnnn ngnnnnncgnt ntnacctttg annncactgg 120
 nctccccgcg gtggcgggccg ctctagaact agtggatccc ccgggctgca ggaattcggc 180
 acgagggttgt nanttaccaa ttacctgngg tattggagaa gactcttgag agccccttgg 240
 actgcaagga gatccatcca gtccatccta aaggagatca gtcctgggtg ttcatctggaa 300
 ggactgatgt tgaagctgaa actccaatac tttggccacc tgatgcaaag agctgantca 360
 tgtgaaaaga ccctgatgct ggcaaagatt gagggcagga ggatcaaggg gacgacntna 420
 ngatggcntc accgacacaa tggacatggg tttgggtgga ctcccacagt tggatgatgga 480
 catgggagggc ctggcgtgct gtggttcatg gggtcacnaa gagtcggaca agactngagc 540
 gacttgaant ttaactgaac tgnnnntacc tctcctncnn tcttganna tanccncctt 600
 acnctctnct ttctnaaac tggantnttt gaaccttttn ctngccccng ggccattgnc 660
 ttttaaatan tgggtccaat cttnanntgc ccattattag naagngttta aaaagcanct 720
 ttttcttnat ttnttttaaaa antaaaaaaa aannaatttg ggaccatctt nccccntttt 780
 cntncnntnn ncnttctttt ncttccnatg ntagnngnnc cntttnactc cnctatnttc 840
 ctccncnttt tcnnnattnc nnnnantann aaacttactn acnncccgtg tncntcgcn 900
 nttgtatttc ntccggggnt cnnccnntta ngntctctcc ntnccccntc atgntantnt 960
 tntnntnaga tntcctatct cttnctatnc ctcgtagtgc tccttcgatt tcaacatngn 1020
 tanaccncct ngnatgtntt ctnacctntc gangtcctgc tcggnnngct ctncncncgt 1080
 attctctcan nntgttnggc actcgcacnn anttntctacn cactcttgna gggttntncn 1140
 tantnagcac gcctnnntat acnnntcacc tacnannttc ctnnccgnga ntntgnannc 1200
 gnannttttn tgttctctac nnntnatata tctgtcgccn nggagtgtnt taacgactnt 1260
 ctcttgtnct ncgtttgnac gcacnctccg nnangntgcc nacncnccg 1309

<210> 1445
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1445
 tnnnnaaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggan ttcggcacga ggctgnagcc ctccngatg tntctgagga gttganccgn 120
 canctggatg acatcctcan nacatactgc gtggacaaca gnnanngggg cccaggtnag 180
 gatgtggcan agggngagcc tgctgaaccc gaagatgcan agaagnccng gacctatncc 240
 tcanggantg ggnagcctga gccagatact ccagtagtcn ntgnngagaa ggaannctcc 300
 aaggggggagc cgggcccgtg ctagatcctg taccagnat gaagtttgag accganacca 360
 cccaaagccn cnggatanta agaaanncta nggtgtggga anggaaatta ccttgccac 420
 tttanntncc ncttaaagcc tanagnngtg gcagggaagg nactgncncn nccnntgtg 480
 gtgtggccag gttgcagtnn tnaaaaaccc aagcttactt ggttgggtgg caangngggc 540
 cccacttggc cgggnngggg cttttgttct caanttcacc cttncgtgtg tagccttcca 600
 ngncaggctt ganggnngggg tcccanttgt ttccgttgan ccaaattttt ttaaatactt 660
 aaagntgntn ttggtttgnt tttggtttcc naaagcaanc ccaggtttct tggnggcttg 720
 ccccnccca cccagggtcc ttgggnccaa aatnaaaaag ggggnctttt ccttgaaatg 780
 aaaggcccnt ttcctttctt cccttggggg cnggttttat tgncccatga acctnnntt 840
 ttttggaacc aaaaacttgg ggnggggttn ttaaaaangg nnnncntttt ccctttaagg 900
 gggaccccc cgggggggga gggnnntttt ttnaaaanaa actttgggtt caagggnntt 960
 tggccccnt tnaaaaactt t 981

<210> 1446
<211> 938
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(938)
<223> n is a, c, g, or t

<400> 1446
ttgaacacag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggctt tgttctggag tatgaggcct cagccccgga ggcccagtga tgccaggggc 120
tcagggtgttc cagggactga gccgcagtgg tccccaaacc ctgcgtgtgc ttgtgacaaa 180
caaaacctgt cggcttccta gcatttactt tctgcttcag aggaaggaaa tgggaatgct 240
aatttttaaa agacaactgg attttgagac tttatcttaa aatggaagct gtttctgatt 300
ttcacgagat cccacatatt tcagtggggt catgattgac aattctgtat gggcaccatc 360
cagctcagga catttcttcc cgtaggccaa ctgaattctt tcccctgcac aaaaagggtt 420
tacgctgagc agatgctgtg tcacagttagc gggtatacat ttctgatagc ctctgaattc 480
atcagggtcca tgaaacagga aaaagtagac tatcagtcag aaagcctggc ctgttcccct 540
accttttgca ttaatgggtg gatgtaattt gaaacagtat gcccttgtgt cactcaagtc 600
cagctagtcc aatatccan gttcaatatt tgaacatcag ctgatggaaa aaaatgggct 660
ttggaaatgc tttatgaatc tnttaaatac ccttncattt catcactcaa atttctgaac 720
aggagttggn aaaaangcta annnccccnt cctaaacccc tttttttttc ctaacnggga 780
aaaanaatag caancccca gtcnttccct gggacctgtg nncctgggtg ggaaagggn 840
ttnggtttnc ccgggcccac ttggggtnng gcccaaaggc cggggnaaac cttgttttna 900
aaataaacc ggtgggnttg ggggggnaaa aaaaaaat 938

<210> 1447
<211> 970
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(970)
<223> n is a, c, g, or t

<400> 1447
tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60

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ggctgcaggc tttgttctgg agnatgagga cctcancccc ggaggcccag tgatgccagg 120
ggctcangtg ttccagggac tgagccgcag tggcccccaa accctgcgtg ngcttgtgac 180
aaacaaaacc tgtcggcttc ctagcattta ctttctgctt cagaggaagg aaatgggaat 240
gctaattttt aaaagacaac tggattttga gactttatct taaaatggaa gctgtttctg 300
attttcacga gatcccacat atttcagtgg ggatcatgatt gacaattctg tatgggcacc 360
atccagctca ggacatttct tcccgtaggc caactgaatt ctttcccctg cacaaaaagg 420
ttttacgctg ancagatgct gtgtcacagt tgcggttata catttctgat agcctctgaa 480
ttcatcaggt ccatgaaaca ggaaaaagta gactatcagt cagaaagcct ggccctgttcc 540
cctacctttt gcattaatgg gtggatgtaa tttgaaacag tatgcccttg tgtcactcaa 600
gtccagctag tccaatatcc caggttcaat atttgaacat cagctgatgg aaaaaatggg 660
ctttggaaat gctttatgaa tctcttaa atacccttccat ttcatcactt caaatttctg 720
aaacaggagt tgggaaataa tgctaaattc ccnctttctt aatccccttt ttttttttcc 780
tactnngggaa aaaaanatag tcaaaccccc aagtcnttac cctgggacct tgtancctgg 840
ttngggaaaa ngggcttttg ggttttcccg gggccccaaa tttgggtngg gccccaaang 900
gcnggggnaa acctnttttn aaaaataaaa acccnggggg gttnngggggg aaaaaaaaaa 960
aaaaaaaaan 970

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<210> 1448
<211> 915
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(915)
<223> n is a, c, g, or t

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<400> 1448
aaaagctgga gctccccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60
ggaattcggc acgaggggac aagttctctc aagctgcca aagggcagaa ctcgagaagc 120
gcctgacaga gctggaagcc actgtacgct gtgatcagga tgctcagaat cccctttcag 180
caggtctgca gggagcctgc ctcatggata ctgtagagct gttgcaggcg aaggtgggag 240
ccctggacct tgcagttttg gaccaagtgg aggctcggtt acagagtgtg ctgggaaaag 300
tgaatgagat tgccaagcat aaagcttctg tagaggatgc agatacacag agcaagggtc 360
accagctgta tgaaaccata cagcgctgga gccccatgc cgctccctt cctgagctgg 420

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tacagagact tgtcaccatc aagcagctgc atgaacaagc catgcagttt ggtcagcttc	480
tgacacactt ggataccacg cagcaaata ga ttgcttggtc cctcaaggac aatgccaccc	540
tcttgactca ngatgcagacg acgatgtgtg aaaacctgtc cacaattgag gggaactttg	600
ccaacattga tgaaaggatg aagaaactgg gaaagtgagc acctttgggt gatggangac	660
aggggtaatt ccttaccctt ttgactncat taatacctta cacagagntt nccnttaat	720
tgnaacttnt tgcattccan ttgaccttg ggggcaaggg ctttnttgca ttggggggct	780
tacnccccct tcntttnaaa antaatggga agcttgggga aanttaaaan gaagggnctn	840
cccctttagg ccncangga ttaaggacc tgggccc aaa ccaatggcc cagntttctt	900
ggccaataa ntgg	915

<210> 1449
 <211> 977
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(977)
 <223> n is a, c, g, or t

<400> 1449	
aaanctggac tccaccgcgg tggcgccgc tctagaacta gtggatcccc cgggctgcag	60
gccgcgccgc cgtcgtctcc aacgccagcg ccgcctctag ctgcgcgagc tccagccgaa	120
ggagaagggg ggtaagtaag gaggtctcta taccatgggt cgtacaaagc agactgcccg	180
caaatcgacc ggtggtaag caccgaggaa gcaactcgt acaaaagccg ctgcgaagag	240
tgcgccctct actggagggg tgaagaaacc tcatcggttac aggcctggta ctgtggcact	300
ccgtgaaatt agacgttatc agaagtccac tgaacttctg attcgcaaac ttcccttcca	360
gcgtctgggtg cgggaaattg ctgaggactt caaaacagat ctgcgcttcc agagtgcagc	420
tattggtgct ttgcaggagg caagtgaggc ctatctggtt ggcctttttg aagacaccaa	480
cctgtgtgct atccatgcca aacgtgtaac aattatgcca aaagacatcc agctagcacg	540
ccgcatacgt ggagaacgtg cttagaatc cactatgatg ggaaacattt cattctttaa	600
aaaaaaaaa aaaaactcg ngggggggcc cggtncccaa ttgcgcctat agggagnnnn	660
nnnaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnn	977

<210> 1450
 <211> 1025
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1025)
 <223> n is a, c, g, or t

<400> 1450	
gccctactgg agctncaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaaattc ggcacgagga ggannttgnc ntcctatncn tatanncnnn ctcantaa	120
ttntgnnchna tttaangaaa gtntttgtgg tntcttcccc ataaaggaat ttacacaacc	180
ncccnggcct gtgccngtgg atcataaaaa aagtgcccnt tnnccntng aangtannta	240
aaaaaaccaa agggggggaa aaaacnnncn aaggccnaaa gccttnnatt gggggccacc	300
cgccnggggtg gcnaaaatcc cctntggccg gggcntttnt gggccnctta cggngcntaa	360
aaaagncccg aatntggnc cctggtnaag gtttgnatta ngntnttgga acccttnccc	420
tgnaananac ncggttatcc nggccccgc ntgrnattgg antcngtgcc tcccatcctg	480
ggaagggggg tgtttcattt accattccnt ccnggcctta tttgagggaa angccccng	540
gnaaaatgnt ttncnatntt aaacacattt ttttataagg gccccgcgcat tcnngagggg	600
tttttaaagg ggantancctt gnttttgccc tgnngtgggn nttggncntt actaaaaagc	660
ttccaagggc cccctttttt tgaccccccc tttttcttt tgggcnanaa ngnncaaaan	720
agccttttaa aaaaccnggg gggaaggggg ggaaccntn gnnttttggg ggggtnttaa	780
attgncccn ccccnccca agnggtggt nggggnttt gccnnnnacc ggncccccnn	840
cnntttaaaa annnannaag gggggcctt ttgggggncc naaaantnnn nancnttttt	900
ttttncccc ttttttngn ntnannttn ggggggggn ncccccccg ggggggggnc	960
nnnaaaannn nnnnnnnnn naaaaaanng nnnncnnna aaaaaaaan nnnnnnnnn	1020
nnnct	1025

<210> 1451
 <211> 987
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(987)
 <223> n is a, c, g, or t

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<400> 1451
gccctatann gagnngtatt acagtggcgg ccgctctaga actagtggat cccccgggct    60
gcaggaattc ggcacgagga ttgcagcaaa tcatgaaagg taacttcagt gcattnatgc    120
aaaaggagat atttgaacag ccagaatccg ttttcaatac catgagaggt cgagtgaatt    180
ttgagaccaa cacagtgctc ctgggtggct tgaaagacca cttgaaggag atcagacgat    240
gccgacggct cattgtgatt ggctgtggga ccagctacca cgccgctgng gccacggcgg    300
aagttttgga ngaactgacc gagctccccg tgatggttga acttgctagt gattttctgg    360
acaggaacac acctgtgttc agggatgacg tttgcttttt cataagccag tcaggggaga    420
ctgcagacac cctcctggca ctgcgctact gcaaggaccg ccnagctctg accgtgggcg    480
tcaccaacac cgtgggcagc tccatctccc gcgagacgga ctgcggcgtc cacatcaacg    540
cagggccgga gatcgggtgtg gccagcacca angcttacac cagtgcagtt catctccttg    600
gngatgtttg gtttgatgat gtcttgaaga ccgcatttca ctgccnaaca gaaanggcga    660
gaagatcaat ncattggccc tggaattctt ctaccccnag tcttattcna angaagggtgc    720
ctntcccntt ggtattgaag aanattccan cnaancntgg ncccttggtg ncntntncac    780
caccaaaaagg ttcanctttt ttggtccatt gggggcgnaa ggctnacaan ntatnccac    840
atcggcctgg naaaaggaag cccccttgaa aaatttaatn gaaaatnnnc cctatttgcc    900
ctttaaaaaan ggcattcctn ggnttngnan aaanttaaaa cnnccgggcc cccttgnncc    960
ttnnttttnna tnaagcccan agccttc                                     987
  
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<210> 1452
<211> 961
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(961)
<223> n is a, c, g, or t

<400> 1452
aaaactggag ctccccgcgg tggcgggccgc tctagaacta gtggatcccc cgggctgcag 60
ganttcggca cgaggttggc aattaccaat tacctgtggt attgggagaa agactctttg 120
aagaagccct tggantggaa gggaaatcct tcnatccntt ctaaangnaa nnaanccnng 180
gtggtcnttg gaangncngn ngntnaanct naaacnncna tactttggcc ncctnnngcn 240
aaaancnnac tnatgngaaa agaccctnnt gcnnngnaan antgagggcc gganganaan 300
gggaccaccg aagatggcnt nccnacacca tggncctngg tttgggtgga cntcccaaatt 360
tggtgaatga cacaggagag cctggcgtgc tctggngcat gtgggtcaca caagagacca 420
cacaacatga gcgantgagc tgnngctnngc tngngattacc tctctttcac tgtganatac 480
cccttacntc tctttctcna ctganattga actnttttgn ncacgtnatg tgттаатatg 540
ggncatctta nngccntata tagggnnnag actttnttat tttataatat aaaaaattgg 600
gcatttttaga aaaaaaaaaa aaaaaaacnt ccggggggggg ggccgcccccc caatntnccc 660
tcttttngng ggnnttttat nnnnnnnnnn nnnnnnnnnn nnctnnntnn nnnnnnttn 720
nnccnnnnnn nnnnnnnntt tnnncnnnnn nnnnnnnnnn nnnnnntnn nnnnnnnnn 780
nnnnnnnnnc nnnnnnnnnn nnnncnnncn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttnnnnn nnnnnnnnnn nnnnnnnnn 900
nnnnnnnnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnc 960
t 961

<210> 1453
 <211> 961
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(961)
 <223> n is a, c, g, or t

<400> 1453
 aaaactggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag 60
 ganttcggca cgaggttggc aattaccaat tacctgtggt attgggagaa agactctttg 120
 aagaagccct tggantggaa gggaaatcct tcnatccntt ctaaangnaa nnaanccnng 180
 gtggtcnttg gaangncngn ngntnaanct naaacnncna tactttggcc ncctnnngcn 240
 aaaancnnac tnatgngaaa agaccctnnt gcnnngcnaan antgagggcc gganganan 300
 gggaccaccg aagatggcnt nccnacacca tggncctngg tttgggtgga cntcccaaat 360
 tggatgaatga cacaggagag cctggcgtgc tctgngcat gtgggtcaca caagagacca 420
 cacaacatga gcgantgagc tgnngctnngc tngngattacc tctctttcac tgtganatac 480
 cccttacntc tctttctcna ctganattga actnttttgn ncacgtnatg tggttaatatg 540
 ggncatctta nngccntata tagggnnnag actttnttat tttataatat aaaaaattgg 600
 gcatttttaga aaaaaaaaaa aaaaaaacnt ccgggggggg ggccgcccc caatntnccc 660
 tcttttngng ggnnttttat nnnnnnnnnn nnnnnnnnnn nnctnnntnn nnnnnnttn 720
 nncnnnnnnn nnnnnnnntt tnnncnnnnn nnnnnnnnnn nnnnnnttnn nnnnnnnnn 780
 nnnnnnnnnc nnnnnnnnnn nnnncnnncn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 840
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttnnnnn nnnnnnnnnn nnnnnnnnn 900
 nnnnnnnnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnc 960
 t 961

<210> 1454
<211> 937
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(937)
<223> n is a, c, g, or t

<400> 1454
naaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
caggaattcg gcacgaggct ggagccctcc gtgatgtctc tgaggagttg agccgccagc 120
tggaagacat cctcagtaca tactgcgtgg acaacagtca agggggccca ggtgaggatg 180
tggcacaggg tgagcctgct gaacccgaag atgcagagaa gtcccggacc tatgcctcaa 240
ggaatgggga gcctgagcca gagactccag tagtcaatgg tgagaaggaa atctccaagg 300
gggagccggg cccggacgag atccggacca gtgatgaagt cgtagaccga gaccaccgaa 360
ggccacagga naagaaaaaa gccaaagggtc tgggaaagga natcacctgc cccactttaa 420
ctacctntta aagcctatag tggttggcan ggaaggggac ttgccaaanc ccagtttggn 480
ggggcagggt acagtcttca aaanccaagt ttacttgntn gtgaagcaag ggggccccac 540
ttggccaggg tagaactttt gttttaantt aaccgtccgt ttgtancctt ccaggccagg 600
ttgagggggg gtcccattgc ttccttgacc aaatntttta aatacttaca gtggnnttg 660
tgggtntgnt ttccaaagca ancccagggt ctnggtgctg nccccnccan ccagggnctt 720
ggnccaaaaa aaaaggggnc ctttcctgaa tgaaggccan ttcntttctt cntggggcag 780
ggtttnttgn ccttgaacc taattttttg gacccaaaaa ctngggtggg gttttttaaa 840
aaggtaacnt tttcctttan gggaaccccc cgggggggaa ggctttnttt gaaaanaaac 900
tttgggttna ggggttttgg ccccntttaa aaacttt 937

<210> 1455
<211> 944
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(944)
<223> n is a, c, g, or t

<400> 1455
ttnaacaaaa ctggactcca ccgcggtggc ggccgctcta gaactagtgg atccccggg 60

ctgcagggtc cctcccccc ttgcccctcc agagactgat gctggagcgt gagttgattt	120
tcttggtcgc atctgtcctt tctgagctct agtcatagca ctttgcagag catcctgggc	180
accctggtgg tgcagctgca gcctgcggcg gtccttagcc ccagggtctt tgtttcacia	240
aaccctctgg tactgttgtg gttttgtatt cttccagtgt tctctctctc tgtctctcct	300
aactattcaa aagtatcttt gctcttttgc cctttccttt gaccttctgt tctaatacctg	360
ctttggaatt agccggtgtg gggagaggta caccatgtcg ganagaanaa agagtgcctg	420
ttactggaag tgtttcctat tcacgtttat tttgctcagt tctttttatt tatgcccttg	480
gggccaggt acttgggcag ccagctaacc tcctggctag ngaaggagac caggcncaaa	540
gtgaacacca aggaaaggtc gngtgttnt anaactccag caganaccaa gccctgctgc	600
aaatttgcaa ggccanacca aagggccaca cagttgctca taagngtaaa tattttgnnc	660
agngaataaa tgaatggttt aaaaggaaaa aaaaaaaaaa aaaaaacctn nggggggggc	720
ccgggncca aattcncct taaanggggn nnnnnaaaan nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnc	944

<210> 1456
 <211> 1064
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1064)
 <223> n is a, c, g, or t

<400> 1456	
ttgaaaacaa tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggn ntnaacctcn agnanttnag cgctccngcc ccaggctant caacacagcn	120
ngggctctctc ctctgctgn ngntctctgc cctccacatc ctcatctctt atcctgcttt	180
ncggggccac tttggacaag tcctggtgga ctctccccgg naagganncc ctgaatctct	240
ggtacgactg cacanggaat agtgacaaca aancgtgggc ctgnanaaac gtcaganaaa	300
acggccttggg tgaagggnagt ncaagatcct catggngctt tccctcatnc tntgntgcnt	360
gtccttcacg ctgttnatgt tccanctct acaccatgct ggcgaggagg gcctattnta	420
tnccactggc ttnttgccan natngcncc anccntggca gtgtttaccg ggngcnctnn	480

tntaccccat	ttcatgcccg	aaanaaaatt	nctggcnnnn	cccgcccgta	gggggggcaa	540
ncntntgggt	aantggcttc	ccncntggc	ccttggggng	gncccttnnn	ccnttngcc	600
cctggccnag	cnggnaatta	atctaannnt	ccccactnnc	cgnaaaaccg	ggnaatttna	660
ggggntnccc	cctccccctt	ggnttttccc	aanacnnaat	ttcnncgccc	cctatnctc	720
ntnancccn	gaaaancccc	caancccttt	tnttcctttt	tttnaat	ttt naaantanaa	780
aaatanaatt	tgtnnnnccc	ccccggaaaa	aaaaaanaaa	aaaaaanntt	tnnggggggg	840
cnccccnccn	ccctttntcc	ccttttntgg	gggggcgtcn	ttaaanaacn	ttncncnngn	900
nntgcncggc	caactcnca	atttnattta	ttttatcctn	caaactctta	nacctctncc	960
tatcatcccn	ctgtcatcnc	tnanncnntc	ntnccgctct	ntcnntnntn	ncanntanta	1020
nacattactt	nntgttattt	cnntttantc	nacntnntc	nncg		1064

<210> 1457
 <211> 929
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(929)
 <223> n is a, c, g, or t

<400> 1457	
tnnnacaaaa	gctggagctc
cccgcggtgg	cggccgctct
agaactagtg	gatcccccg
gctgcaggaa	ttcggcacga
ggcttcggta	gcgaccgcct
ctctacgcgg	gtgtgagctt
cgccagcccc	tccccagga
gaccgttgca	gtcggccagc
ccctgctcct	tggttaacct
gtgtgaccga	aagggcgtaa
tcaagaatgc	cgatatgtcg
gaggagatgc	aacaggactc
ggtggagtgt	gctactcagg
cattggaaaa	gtataatata
gagaaggaca	ttgcggccca
tatcaagaag	gagtttgaca
agaagtacaa	ccccacctgg
cactgcatcg	tggggaggaa
cttcggtagt	tatgtgacac
atgaaaccaa	acacttcatc
tacttctacc	tgggccaagt
ggccattctc	ctgttcaa
atctgtaaaa	gcatggactg
tgccacacac	ccagtgatcc
atccaaaaac	aaggactgca
gcctaaattc	caaataccag
agactgaagt	cttcagcctt
gcctaaggga	acatctnca
ctttgaacct	ttgntgngtt
ttgtacaggg	cattctctgt
actagtttgn	gggtataaag
caattagtaa	aacagcttac
atttggattt	attttctatt
ccataacctt	tntgncccat
tgttttttct	nttcaaaatc
cattccttta	aaaaaataaa
	720

tttggttgga agtgggcggtt naaaaaaaaa aaaaaaaaaa aatttggggg ggggggcccg	780
ggcccccaat tnncccttna nngngnnnnn ttntaaaann nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnn	929

<210> 1458
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1458	
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggaattcgg cacgaggcta gattggcctt tngacgatgg agcgccaccc cctaancnna	120
ttgnatatga tnggctannc ctactaaaan ccannttncg tgaanaaccn gggtgctgtg	180
ntgnagtgcn ttngtngca ngattggnaa gggcncctgt gctacttgcn cttgctttga	240
ttgaatgtgg aatgaagtac gaggatgcag ttnagtttat aagacnnaag anaangggag	300
cnttcnnttn canacnctg ntttacctgg anaaataccg acctatgatg cnattnctct	360
tcanagatac cancgggcat tgctgngtnc aggtaaaatg aagtgtatac gaaggctgac	420
ttgattgtag catttacagg gaactcttgg tacctggaaa tgngaactctg gaatcttanc	480
tgtntcatna aagtantgat ggattcngta ctccctcancc actctnctaa tgattgtaaa	540
aaagcaaaca cnantccctn tataacgnga atnaaatgtn taagaaanga nnatgagaan	600
gattataggg gattaattna ctganagatg attnttgctt ctagngcngg agtttgaatt	660
tctgncagga ttgaatttat ttcaaaanct gctgtctttt ttaactttct caaaataggt	720
ntctaangaa anccancaga acatgatcct ttcaaaagcc tctgtttggg gagcacactt	780
tccttntgct nggcncataa aattncctg cggggggaat tttttnttt tttnnggaaa	840
ccgntttttt nnnnnnnana acntttttta ncccctngan ccctnttntn aaccttggn	900
ccntttggna aanaatnaag gtttttngng nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnggggggg ggncnnnccc ccn	983

<210> 1459
 <211> 986
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(986)
 <223> n is a, c, g, or t

```

<400> 1459
gcctatntgg agctncatcn cngtggcggc cgctctagaa ctaagtggat cccccgggct      60
gcaggaaatt cggcacgagg tttcttggtc catcaacctt gcctctaagt ggtgtgagcg      120
gcctgagtgg gtgcacttgg acagccggcc ttttgccctc ctgagccgtg actcaggggc      180
cgccctgggtc tgggcatcgc tctgcactct ccctgctatg cccaggtacg gcgggcacac      240
ctgggatatg gccagaaact agtctgtctt gtgctggcca tggggctgct gggccccctg      300
aactggctgg gctaccccc cagatcagc cttttctaca ttttcaattt cctcaagtac      360
acctctggc catgcctggc cctggccctc gtaccctggc tgggtgcacat gttcagtgcc      420
caggaagcac caccatccg ctcttctgac tctggtgcct nctgcaccca cctnccctna      480
caaagcccat gctctgtgac ctccaccctt gggaggcaag ntccgtccac ttccagcccc      540
caacaaccct gtcctgttg aattttctac ttctnccacc acctggtcac aagccccaaa      600
gaggggcctt ttctcttcca ggaaggncct tctggctttc cttccaaatc cccaaagaac      660
caacgcacnc tncagaacaa cggattttctg taactactggg aangggctcg gaacaaaccc      720
caataaagcc ctttcacacc cncnccnaaa aaaaaaaaaa aaaacaaaan nccccccggg      780
gggggggngg nananaaatt nccccctaaa annanngnnc cctnaaannc cctttttttt      840
nnnnnncccc ccccccccc cccncccc nnnngnnnnn nnnnnntnn nnnnnnnnnn      900
tttctttnt agtnnnnnn nnnnnnnnn nnnncncnn ccccanann nnannnnnn      960
nnnnnnnnnn nnnnannccc ctttnt                                         986
  
```

<210> 1460
 <211> 968
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(968)
 <223> n is a, c, g, or t

```

<400> 1460
ncnnnatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct    60
gcaggaattc ggcacgaggn cccacctgna cntgnaggcc anncaactcna anacctcan    120
gnacntnnag ncnggcncat acnnccggtg nntnntngtn aaaatnntcc tcatnctgat    180
tgcnnncttn atnatctttg agnactncct tgcctgaacc ctnnnnactc tngangcaatn    240
cgtggggggtg nggaancntn annngnagagc nggnnnccat anctgcnncn gancctganc    300
ngggggntcc gngagaangg ccccntttcc ttgtnactgc taatacatga ccnctgncct    360
ctgtccncca ctcttgctt ctggccaccc atccctcacc tgaccaccct acngcccatg    420
aaacncacnc ggannnnngat tnngacnctg ntntnaagtg gtttnaangg atcanaagcc    480
aactgatggn ctnnnnnggn anantgtctn tacctngaga tntttataaa ccctcccnaa    540
cctgtcncag acgggaactt tggctacana gnggagatga tgcctttccc cacattnttg    600
anatnaatga tanganggga aacngcccac atgnaccaa tnttcccatc nnggttagaa    660
tnnganacta ttattcctct ctttaccac atgaggcacc gganccctg agccctnng    720
gagggactgc acaancccca naattngggc tggcaaatg aacttttaat tcnggacgaa    780
acgtgccngt cccccctgtt tttgttcca agttacgggc cttgactggn caggccttcn    840
atttntctgg ncatggnaaa aaaatttncc cctttggggg gggggnccn gaancccaa    900
naaacgccn tataaaaacn nnnnnnnnnn tttaagnngn nnnntnncc ctgggtttgn    960
tnttnccc                                     968
  
```

<210> 1461
 <211> 1027
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1027)
 <223> n is a, c, g, or t

```

<400> 1461
gccnatangg agncgnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggnanaaa ttgnaangc tgntgagctc taacagcaca gacctnccac tgancatcgn      120
gtgcttcatg aatgacaaag aacgttcttg gaaagannan cagggcccan ttggaaaanc      180
ttnggnctgn ctanntgaan anaataaaan tncccnttnn tttgtggang gaccaannnc      240
acttnaanna aaaggangnn angntngnca aaanactnga ngncnnncc naantcccac      300
ccgnaaaagaa aaaaancncc aattcttttg aaaagaannc cnnnccaccc nnnannccaa      360
anaagccttg gcccaagggg gngcccctnc nttgcnatcc ntttccccac atttaaagg      420
ataganaatt ttgtcactgn tgcncatttc ttttccanta tctntggnnn nnggancccg      480
atttcaacaa atncnctana ngggttccat gagaatgtgn ntatatanaa ncccacctgt      540
gccttttttc cacaaaattt tctcgcttct cntaaaanng gggccctttt tgngetcggn      600
nncctnttta ttnccttgtcc ntcaaggagg ttncnchatt ntncgantcn cnaaataatg      660
nncccctctn tantttanaa aanatgtttc ccccccaag gnnngnggga acnanntctn      720
cctcgnggna ganctctaaa gnagctgacg gnggattccc ccnggnggtt ntntttccnt      780
cttttnntta cnngtntatc ggnnggggga anaatacccc ccngcccga nnaacaaacg      840
tggtttttct ttnttttncc ctccnttggt cntttntgta aaatnattcn ggccgcccnt      900
caanaaatnt ccctgcgggg tcataaaatt ttcactncnn tannnncaca angaatncat      960
gtttcccnnc ccnccccgtt cgnaaaccca gattggtntt tataancnt ccgngnncgt      1020
gcccccg                                           1027
  
```

<210> 1462
 <211> 1027
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1027)
 <223> n is a, c, g, or t

<400> 1462
 gccnatangg agncgnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggnaaaaa ttgnaangc tgntgagctc taacagcaca gacctnccac tgancatcgn 120
 gtgcttcatg aatgacaaag aacgttcttg gaaagannan caggggccan ttggaaaanc 180
 ttnggnctgn ctanntgaan anaataaaan tccccnttnn tttgtggang gaccaannnc 240
 acttnaanna aaaggangnn angntngnca aaanactnga ngccnnncc naantccac 300
 ccgnaaagaa aaaaancncc aattctttgg aaaagaannc cnnccaccc nnnannccaa 360
 anaagccttg gcccaagggg gngcccctnc nttgcnatcc ntttccccac atttaaagg 420
 ataganaatt ttgtcactgn tgcncatttc tttccanta tctntggnnn nnggancccg 480
 atttcaacaa atncnctana ngggttccat gagaatgtgn ntatatanaa nccacctgt 540
 gccttttttc cacaaaattt tctcgcttct cntaaaanng gggccctttt tgngetcggn 600
 nncctnttta ttncctgtcc ntcaaggagg ttncncnatt ntncgantcn cnaaataatg 660
 nccccctctn tantttanaa aanatgtttc ccccccaag gnnngnggga acnanntctn 720
 cctcgnggna ganctctaaa gnagctgacg gnggattccc ccnggnggt ntntttcct 780
 ctttnttta cnngtntatc ggnggggga anaatacccc ccngcccga nnaacaaacg 840
 tgggttttct ttnttttncc ctccnttggg cntttntgta aaatnattcn ggccgccnt 900
 caanaaatnt ccctgcgggg tcataaaatt ttcactncnn tannncaca angaatncat 960
 gtttcccnnc ccncccggt cgnaaaccca gattggtntt tataancnt ccgngnncgt 1020
 gcccccg 1027

<210> 1463
 <211> 980
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(980)
 <223> n is a, c, g, or t

```

<400> 1463
aaaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggaattcg gcacgaggcc cgtcccagct ccagctggtg accagaagga tgtggatgct      120
tcagaaaaga aggtcccaga acagaccctt gagcctcccc agctggattc acagcacctg      180
tgatcattcc aggaccccaa cactcagggt tcctcccaag gctgatggga ggggggtgga      240
gtgtcacaat caacctctc tggggacccg gccacacttg tggcctctg tgggaggggg      300
aacaggctgg ctgtttcctt ctcatactgc tgcccaggcc ctgtatctgc cacctcagtc      360
tccacagcct tccagtctgn ggtcccctct ttctgggtccc ctccaaggga cttgccttnt      420
cgtatccagt tgaatgctca ctggccttaa ctttcattga nggaagcccc cttntttcaa      480
ggaaggggtct gtcacacct gcctttntaa gttggtttgg ccttgacncc aaggtggggg      540
ccattcaaga ttccggattc ccacaagttg gtgaaatcct gcctggtggt tttgggcca      600
actttccggt ggtctgnggg ggctttaang ggccccttaa acaccttttt tttaaatttt      660
ggggggactg ggcnatgccc tnaaanaaag nggcttnccc cccaagntgg ggtggnaagg      720
gccaaaaaaa aanccttttg atngttnaa anaanttttg anncccagga ancccttgac      780
ttttcctgga cccctnggnt ttcaaaccat tttnaanccc cctttccctg aagggaaggg      840
gttcctaaac cccttttntt tccaaattcc caaaaangga anaaaanaaa ttggncccc      900
cccggangga ataagggttn cccaccccct taaacnttt tnggggtttt nannnnnaa      960
anggnntccc tttttttntt                                     980
  
```

<210> 1464
 <211> 958
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(958)
 <223> n is a, c, g, or t.

<400> 1464
 ttnaacacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcacga ggagtancag gaggtaaatac aaaggatttt atgatccacc 120
 aagaagattg ctgggccagc gaccaggacc atatgataga ccaataggag gaagaggggg 180
 ttattatgga gctgggcgtg gaagtatgta tgacagaatg cgacgaggag gtgatggata 240
 tgatggtggt atgtgtatct aatgaacaaa ggttctgttg tcattttctt aatgttcctg 300
 acactttgtc aagaaatata gaaatggcag taatttcagt acctactagg tttaataaat 360
 ctgttcatac aaatgtggat tcccatgggc agctatggga cttgattgat gcatgtattg 420
 gcacctagtt tacctacaca aaaattttta agagattgcc atgttttgac cttttctggt 480
 tggcatcagg ataaaaattt ttatgtctaa atgtgtgctt ttcatacaag tgtaactgc 540
 ttttttaata tacactaaaa tggggtgttg gaaaacttgg ttggaggggt tgcaaacttg 600
 taacaatata agttaacat agtgcttgnc anaagatata tttttataaa ctagataata 660
 aaagttatct cttgaaagct tattcatgna tttctcctta aattacacag gttatggagg 720
 ttttgatgac tatggnnggt ataataatta ttggcttttg gaaaangatg gcttttggat 780
 gacccaaatg gaaaaatggg aaaangtttg ggaaggacct tggtttttgg ggggaacttg 840
 ggggaatcca aagtttcnng gtttttcatg gggggggcan ttttgnacca taagaaaaag 900
 gactggnent ttttcnggcc actggnaaaa ggaaattggg naaantttct ttttcncc 958

<210> 1465
 <211> 966
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(966)
 <223> n is a, c, g, or t

<400> 1465
 nacagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60

aggaattcgg cacgaggagt agcaggagtg aaatcaaagg attttatgat ccaccaagaa	120
gattgctggg ccagcgacca ggaccatatg atagaccaat aggaggaaga gggggttatt	180
atggagctgg gcgtggaagt atgtatgaca gaatgcgacg aggaggtgat ggatatgatg	240
gtggtatgtg tatctaataga acaaagggttc tgttgtcatt ttcttaatgt tcctgacact	300
ttgtcaagaa atacagaaat ggcagtaatt tcagtaccta ctaggtttaa taaatctgtt	360
catacaaatg tggattccca tgggcagcta tgggacttga ttgatgcatg tattggcacc	420
tagtttacct acacaaaaat ttttaagaga ttgccatgtt ttgacctttt ctgtttggca	480
tcaggataaa aatttttatg tctaaatgtg tgcttttcat acaagtgtta actgcttttt	540
taatatacac taaaatgggt ggttgaaaac ttggttgag ggggttgcaa cttgtaacaa	600
tataagttaa ccatagtgtt tgtcaaaaaga tccattttta taaactagat aataaaagtt	660
tatttntttg aaagccttat tcatggantt tctcccttaa aataacncag gtttatgnng	720
gntttgaaga cctatggggg gctataaaaa attatgggtn tgggaaanga agggntttga	780
tgaccncaa tgganaaaat gggaaaaggt ttgggaagga ccatggggtt ttgggggaac	840
ctggggnaat caaanttcng gttttttaat ggggggccat tttggnccat aaagaaaagg	900
gactggccnt tttngggccc cctgggaaaa aggaaattgg gtaaatttnt ttntccnccc	960
cttaaa	966

<210> 1466
 <211> 950
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(950)
 <223> n is a, c, g, or t

<400> 1466	
ttnnnaaaac tggagctccc cgcggtggcg gccgctctag aactagtgga tccccgggc	60
tgcaggaatt cggcacgagg cccattcct gtggcccagg ggcccagctt ccagttcggc	120
agtgtcagaa gtgacttgtg gctctgcctt ggttgtgaga tgagtacatt ccaaaggagc	180
agccacgggg agggggcagg ctacgcgatc cttggaggc tcagagcagc tggcctgagc	240
tccagctcgc gtccaacgga agctcgcgcc cctcagaaac gaccctggcc aatgtcaccg	300
cagagccgag gcggtgttgt cagggttaat gtgaaatctc ttcccgtagc gccgatcctc	360
cggctctgca gcgccagctc ggacagattg aggtctctgt ggctttggtg accctgctta	420

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agcattccca ccgtgtccca gctctgctct ctgcctgcct cccactgcag cccccccctc 480
acctggcttg gggagggggg cagtgtccca aggctagggg cttttgctca agaaaagatg 540
tcaggctttc tggggtcgtc aggctttgag ctctaccggg gtccaactga cctgggatac 600
caggtgtgcc cagaanatgc acctcatncc gtgccttnag gaanggctaa ggaacaattt 660
tggttaattgg attaaacttta cctcagttaa ctcccnttgg gaaaacctaa cccanttttt 720
aactttcttg cctaaaaatg antgtattgn ntanggaaaa ntgaancitt taattgcttc 780
ccaaaaaggg gccttggttt tcttctggn ttaaaatttt tttttntaag gggaannann 840
nnnnnnnnnn nnnncnctcn ngggncnccn gnnggggggc nggggggncc caaaaagggn 900
ccccangggg cccccaaaaa gngttttttt nngggngaaa aanggggaaa 950

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<210> 1467
<211> 1624
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1624)
<223> n is a, c, g, or t

```

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<400> 1467
nncgngcngc gattnagcgt gnnntgnnnt ntnnnnnccn nnnctcncnc cctcttctcc 60
tnaccgcgca catgcacntc cccccccang gggngnnaag agaatatggn ccnntntntt 120
ggagnncaac tggagctnca cgcnnagggc aggccgctnt aaaactagtn tatnccannn 180
ntcctgctgn tatctcaatc cncnttgaat tttntncnn cttegcacan ntgannttct 240
ttcannnnng gncnnnttt nngtncnata attnttnant tctcnntttg nnntgnctng 300
tnntngctcg tggaccatng naatcctgnt natngtnnnt acaattntc ntcttngggg 360
tnatatcttn naggagatcg tttncaanan anctnancna cgngacnntn tctatcncna 420
nantngnntn nantnnctag ccgngcgana ttnnatcang ntngcnnnn nangtggnn 480
nantntntnt ncnnnngtn tnagcttntn tnncgntann gcactttnac ntgntcattt 540
tgtanaactn nnnnnnncnn ntctnttacg annatcanca ntannncgan tncnnttnnn 600
anntnncnnn annncnntc taanntnnnc tnnntnccgc tttngattn ggnctagntn 660
tcnnnncanc aaanttangt nangtctngc nnnantaatt ntccnanaga cacntnttng 720
atctttttcg tnatgctatn tgcganntta nctcttntan nacnntctnn tanncgngga 780

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tttgcnggcn gnnnnnacng caatcttttn ntnnannntn ngtnantnnn tactgtntnn	840
tatcatnccn nncnatnttn natnantgag gtgncgntan gtaantngcg ggntttatcn	900
tcgnnttnna nntngtnntg nacngnnnnn cngattntan ggttnttttg tnnnnncngn	960
nanncnnnna ntantnttcn annnnnntnt tcnnecatngn acgncgntnn accntatagn	1020
taattttann tnnnntaggn cngggggnnnn ataananttn ntagtnannc nttncagttn	1080
ntancngncn ancggnatga agtnnatcan atnctntnta annagtgcaa ncanncnnnn	1140
ggannnagcn nagntntatn ctcnagnnna nngnancanc ncntcagtnt aannagatgn	1200
ancagctgtg agntgaggcn gngcgtngg tacagagntn tntgtataga ancncancnt	1260
gtatgnagtc tgagannatc nnanatgnng nncntgtntc tcnntatnna gactagantn	1320
nnactntctg agangacatc tatgntngan nnananana acncganana natncgagat	1380
nngatatgac gnttntntnt nccnacnnat gtatntatnc ngnttctcan angagatgac	1440
ncacnacnct nctcatact tntctntnccg tncnnntgtc tannntatgt gaagtataca	1500
ctaacgtcnt acatgtnana tgatntacna gcnnngggan nnantgacna gtgtgacnag	1560
acnacncntn actagngtcg atagncnana tnnngnnata nnntcgttnt cgcgtatnag	1620
cgcg	1624

<210> 1468
 <211> 1589
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1589)
 <223> n is a, c, g, or t

<400> 1468	
ccgcncncnc ctentngann tnnttnnngt nntngnngtn nnntannnnn nntntnnnn	60
nnctctcat cncctntggg ngncggnggc tcngnngntn tnnntncnnn ncngggggng	120
gtnnangtgt ntngttnnnn nnnnttnna gccnatagt ggaagtcgta tnncnagnng	180
cagtncnctc tnaanctagn gggatcccc ggactgnctn gantntnccg ccncaggnc	240
tctnnntccc tncnctcctt anntcttttg tntnnntgg gcnnncnnn nctctnttn	300
tntnccncc tacngccnan ncnnctcccc cennntcccc nnncatnccc cgcncnnnc	360
ctcnnttctc tcctcncncc nanccnccct cncnnnnct ctcgacnct ngtnncnctn	420
gtgntcagan ncntgtcccn ntccccnnc tccagngtc ttcnnnnntc nagntcnccc	480

gntctcnnnt tcnagtcnc tngacnnttg tnnacncnc nctngtcnn ctcccnntta	540
gacncngcn cctntcgt cncncngnn tnttcnnnt actttccnc tccnnncacn	600
cngtntccg cctctnncc cctcctct anagnncnc ctgntcctnn atncnntnc	660
tnctatncc tnnactcnn ntntccnca ggntntgtt cccgtgncgc cctncncnc	720
tcanntctnt cncncntca cngctnct cccnacnga gccctcctng ttntgnncn	780
cnagnncgg tttccngac gncctntcc cncatttnc naccngtnc ctcggnacnc	840
cncactccc gcgcnntnc tcnacnncc cngnancca ctntatncc tnncgactcc	900
acngcttnt gtcgnnttg ccccccctnc acgntctcn tagnccccct cttgnntnc	960
ngatccnnc nngtccnga tgncttcng tttcccgtn ngactnccgg agnttagnc	1020
ntntttgtg cctacnnttc ccttgatnc ccgctnnngc cncngngtc cctcgancn	1080
cacntggan gncngcnnt ntgncggcn ccgctcaga ccgtnntga anntntctc	1140
tncttnanc gacnatcac accacngnn cnttncng cagcctcgn cntnacctn	1200
cncnctac cgtagctccc ntagtcnc ntacctntgt tnatnnacca canacgntgc	1260
tnccagtat cncncncgt agtnccnac cnnntntccc agctctgtna gggctctgc	1320
gtatcagctc ccgctggtc gnaactcccn atntctctc ctntntnn ccgccacta	1380
aangagntac naatngatta cnnatntca cgttactanc tcgngcacg ngcngcccta	1440
tgctcngna nccctctac naatggangt ancctncnc aaggnatctt tcgngggan	1500
cnaccgnacc ntngtaccg cgccttaggn tggcgctcac ncttgntann tncgntctt	1560
cgctcttnc nnnntctcg cncnncnc	1589

<210> 1469
 <211> 1064
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1064)
 <223> n is a, c, g, or t

<400> 1469	
gccctatann gagngtatt acagnggcgg ccgctctaga actagtggat ccccgggct	60
gcaggcggtc gacagatagc cgtaacttct gtgctgtgcc agccgcatcc ctgagacaag	120
atggtgaagg tcggagtga cggattcggc cgcacgggc gcctggtcac cagggctgct	180

tttaattctg gcaaagtgga catcgtcgcc atcaatgacc ccttnattga ccttcactac	240
atggtctaca tgttccagta tgaatccacc cacggnaaagt tnaacggcac agtcaaggca	300
tanaacggnagctcgtnat naatggaaag gccancanca tnttccagga gcganancct	360
gtcaacatcn annngggtna tgnntagagc tnnactnnt ggcggaatnt tactngggan	420
ttaaactaca catgtganaa ngngttinga ctacttngaa aagtgtgccc naaanaangg	480
tgnatnaatc tcagcnnact tttttgttcg aagcccccca tgnnttttgn attgngctnt	540
anaantcact nanaaagttt atacanacnt cccttnanaa tnngtcncgn taatgttntn	600
ntgtgnnaaa ctnaaactgt ntntcccccc cctcnnntca annntncata tcanntanaa	660
actttntgcn tnttgggang ggacatnatn nacacattng ggcatancca ttntacttgt	720
caccccanna aacatangtn ggttnanncc tcntcnngng taanntctnn acntcttttn	780
ntttcctnnn gnggntttnn tcnnnaaaaa ttaccnctc tntttcttan ttattgcgct	840
nntctnncan acatntngng tnatagacnc nttctcttna ncntnnannc cncnnatnt	900
natcntnnnc tttnnngtt ntgnncgtnt ctncctatnc tctancatat tttatgnngg	960
ttgnnatnt cttnaccntc anaanactgn atnnaaaacc tcncccnacg nncntcntta	1020
taatactnnc actcnattng nntngnnnat tgttnatgac angg	1064

<210> 1470
 <211> 1008
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1008)
 <223> n is a, c, g, or t

<400> 1470	
agcncatat ggagntgnat nncagtggcg gccgctctag aactagtgga tccccgggc	60
tgcaggcccc gntggaccca aggccccgt ggtgacaagg gtgagacagg cgaacagggc	120
gacagaggca ttaagggca ccggtggcttt ttttggtttc naggggtcccc cnggccttcc	180
nggttttctn gggannang gncnttccga ancntttggn cttgttggncc ccnggggncc	240
ccttgntttt gttgnttttc cnggnaaaaa ngnnntaatn gnnttccaag gccattngn	300
nccctnggc cttnaaggnc caatngngaa nntngncctn gtngnncttc cnggccttct	360
ngaaccctn ggncccccana gtccttccaa cgggggggta tacanattna ganttttctg	420
tgcccaaaca cacttnaaaa aaaaaggttc acnatgnngg cgctatatat acnggcttta	480

natnangcca tntgtggncc ganaccganc atctaangtg nnaacaccac tctaaananc	540
ttgncncnac atatagaaaa nttcgngacc nttaaggga nccaaaaaaa ccgcgcccnc	600
atgtggtgaa atctaaaata tgccnctctt ttttgtgana agagcngaaa aattgtgttt	660
tttgcccaca aanaggtggt gnacntggna tgacaattaa nagnggtttt tggnacaaatn	720
gtgnaaaaacc cggaagaaac nntttgtnta annccnctn ttcacccacc aagtngngcc	780
ncnaaaaaaa aatgttgttt ttattcnann aacaccccc gaaanaaaaa ggaacnctnt	840
tttngctncc gaaaaaaaat taatcanccg gaatttttac tnnttaata atttttggnc	900
canaagntcc aancctttcn nganngatgg gggnatccaa acaaggtttn tttttcttgc	960
cgcanggnac aaccaagggn ntctccaaaa aaaatttntt ctacttnt	1008

<210> 1471
 <211> 1008
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1008)
 <223> n is a, c, g, or t

<400> 1471	
agcnctatat ggagntgnat nncagtggcg gccgctctag aactagtgga tcccccgggc	60
tgcaggcccc gntggaccca agggccccgt ggtgacaagg gtgagacagg cgaacagggc	120
gacagaggca ttaaggggtca ccgtggcttt ttttggtttc naggggtcccc cnggccttcc	180
nggttttctn ggggnannang gncnttccga ancntttggn cttgttggnn ccnggggncc	240
ccttgntttt gttgnttttc cnggnaaaaa ngnnntaatn gnnttccaag gcccattngn	300
ncccctnggc cttnaaggnc caatngngaa nntngncctn gtngnncctc cnggccttct	360
ngaaccctn ggncccccana gtccttccaa cgggggggta tacanattna ganttttctg	420
tgcccaaaca cacttnaaaa aaaaagggtc acnatgnngg cgctatatat acnggcttta	480
natnangcca tntgtggncc ganaccganc atctaangtg nnaacaccac tctaaananc	540
ttgncncnac atatagaaaa nttcgngacc nttaaggga nccaaaaaaa ccgcgcccnc	600
atgtggtgaa atctaaaata tgccnctctt ttttgtgana agagcngaaa aattgtgttt	660
tttgcccaca aanaggtggt gnacntggna tgacaattaa nagnggtttt tggnacaaatn	720
gtgnaaaaacc cggaagaaac nntttgtnta annccnctn ttcacccacc aagtngngcc	780

ncnaaaaaaaaa aatgttggtt ttattcnann aacaccccccc gaaanaaaaa ggacnctnnt 840
 tttngctncc gaaaaaaaaat taatcanccg gaatttttac tnnnttaata atttttggnc 900
 canaagntcc aancctttcn nganngatgg gggnatccaa acaagggttn tttttcttgc 960
 cgcanggnac aaccaagggn ntctccaaaa aaaatttntt ctacttnt 1008

<210> 1472
 <211> 1089
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1089)
 <223> n is a, c, g, or t

<400> 1472
 tttanaaaan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttcggcacga ggcnnntccc atcnnnnann nctgnnngga ntatggtgga 120
 cgnttgaaan acanactcac tacatnctnc cctanaccn gccnaggtgg nncangtgac 180
 gatgtgatca naggggtggan cctgnnaatc acgaanantn ccanaactnn nggacctatg 240
 ccttaaggaa ngggtagnct tagctctgat antccaggta ntnaattgtn ncattggaaa 300
 tnnancatng angagcctgg cnccttctat gatcatggnt ccatggnatt taancnttta 360
 aacncganaa cnnncncctt nccaantttt aanactnnaa ttccatcctt tnttnatagn 420
 nnncaatnnt nnccttttgtt gnncttntnt ntaaaaaaaaa caatanntnt nnnnttngnt 480
 tttncanac ccaaaanncc cntttttttt nntngnaant gttntntnn ctntnncaan 540
 ccttattctt tnccttntnt gttgtaatnn cccnnnnnt ntntntcnt nntntnttt 600
 ttcttccant cctcnnttn cgtttanct nntnctcnt atntttntt tctactncnn 660
 ncntttaat ntntgtgnt nnttttctt ccttatgtac ctntancntt ttttnttat 720
 tntctatgta tntntnttt tatttctnc ntnantata aatcnannct nnnnttncca 780
 ctntnnntc nntncgatnt naccntttt tnttctcc cgtcgtttn cnatnntaan 840
 nnnnttctc tcntntcaa gtcanttcc nctttcttn tntcnntnt tcntnnnta 900
 tcaaanttn antatanncn tntcnnttt tctntctnta tntnancntt tttttntc 960
 naatattnt accantnatt tnatanttt nttntnctt tctncanttt gnttatccna 1020
 gctnntntct cttnntgct nnnntntcn gttcnntcn nttatancag tttncatntn 1080
 ntncctnt 1089

<210> 1473
 <211> 942
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(942)
 <223> n is a, c, g, or t

<400> 1473
 tttnacaaan ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccg 60
 ctgcagggct tgggctgcgt ggggattttg taatgccgac cggagacttt gattcgaagc 120
 ccagttgggc ggaccaggtg gaagaggaag gagaggacga caaatgtgtc accagcgagc 180
 tcctcaaggg gatccccctg gccactgggg ataccagtcc agagcctgag ctactgccgg 240
 gagctccact accgcctccc aaggaggtca tcaatggaaa catcaagaca gtgacggagt 300
 ataagataga tgaggatggc aagaagttca agattgtccg caccttcaga attgagacct 360
 ggaaggcctc aaaggctgtg gcaaggagga agaactggaa gaagtttggg aactcagaat 420
 ttgaccacc gccggcccaac gtagctacca ccacagtcag cgatgatgta tccatgacat 480
 tcatcaccag caaagaggat ctgaactgcc aggaagagga ggatccaatg aacaagctca 540
 agggccagaa gatagtgtcc ttgccgaatc ttgcaagggc gaccactgga ccaccgcgtt 600
 gccctacaa ggacacgctg gggcccatgc anaaggagct gggccgaaca gcttgggcct 660
 gtccctggcg aaaaaggaaa anctccccgg anagctggaa cctgggcnnng ncccttaaaa 720
 caagaattgg gaagtacgtt gccttcganc cttggccaaa ggggccagcc cccgnggggg 780
 agtcntgca cccaanccga naactgatga caatgcccc tttcngtta nccaaccttt 840
 tttgaggacc cttcngnaa cccacctgga ggaacttttt ccgnccttt nggttcntt 900
 ttcccgatth tancctggga aaaggnaaaa aacccccggc cn 942

<210> 1474
 <211> 958
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(958)
 <223> n is a, c, g, or t

<400> 1474
 tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60

ggctgcaggg cctaagttcg accccaacga gataaaagtc gtgtacctga ggtgcaccgg	120
tggggaagtc ggtgccacgt ctgccctggc cccaagatc ggccctctgg gtctgtctcc	180
aaaaaaggtc ggtgatgaca tcgccaaggc aactggtgat tggaagggtc tgaggattac	240
agtgaaactg accattcaga acagacaagc ccagattgag gtggtacctt ctgcttctgc	300
cctgatcatc aaagccctca aggaaccacc aaggacaga aagaagcaga aaaacattaa	360
gcacagtgga aacattactt ttgatgagat cgtcaacatt gcccggcaga tgcggcatcg	420
gtctctagct agagaacttt ctggaaccat taaagagatc ctggggaccg cccagtctgt	480
gggctgcaat gttgatggcc gccaccctca tgacatcatt gatgatatca acagtggcgc	540
agtggagtgc cccgctagtt aagaactgca aaggaaaata aaggaccatt tgacaaccaa	600
aaaaaaaaaa aaaaaaaaaaac ttgggggggg gcccggncc caatttnccc ttatgggggg	660
gggnnnnnn aaaaaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnn	958

<210> 1475
 <211> 910
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(910)
 <223> n is a, c, g, or t

<400> 1475	
tnnnacaaag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg	60
ctgcaggaaa aattgtaaac aatgcattca tcgaccttcc agcccatca aacatttcat	120
catgatgaaa tttcggttcc ctctgggaa tctgcctaata cctacaaatc ctcacaggcc	180
tattcctagc aatacactac acatccgaca caacaacagc attctcctct gttaccata	240
tctgccgaga cgtgaactac ggctgaatca tccgatacat acacgcaaac ggagcttcaa	300
tgttttttat ctgcttatat atgcacgtag gacgaggctt atattacggg tcttacactt	360
ttctagaaac atgaaatatt ggagtaatcc ttctgctcac agtaatagcc acagcattta	420
taggatacgt cctaccatga ggacaaatat cattctgagg agcaacagtc atcaccaacc	480

tcttatcagc aatcccatac atcggcacaa atttagtcga atgaatctga ggcggattct	540
cagtagacaa agcaaccctt acccgattct tcgctttcca ttttatcctt ccatttatca	600
tcatagcaat tgccataagt ccacctacta ttcttncacg aaacaggctt caacaacca	660
acaggaatth cctcagacgt agacaaaatc ccattccacc cctactatac cattaaggga	720
catcttangg gnccctctta ctaattctag ctctaatact actaatacta ttcggacccg	780
gacttcttng gagaaccan ataacttccn cccagcna ttcaanttaa aacaccccct	840
taaaattaaa acccgggggg aaccttntta nttgcattcc ncaaantta cgaaacaatn	900
ccccaaaaaa	910

<210> 1476
 <211> 1008
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1008)
 <223> n is a, c, g, or t

<400> 1476	
nnnactggag ctccaccgcg ggggcggccg ctctagaact agtggatccc ccgggctgca	60
ggaattcggc acgaggaaaa gatccaaata aagaaaaaca agcatttgtg aaaacagtta	120
aagatcaagc ttctgaaatt caggtgacaa tgatgctcac cgaaagttgt aagctccgag	180
gtcttcatca cagaaatctt ctctctatta ccaatgtgtg tatagaagaa ggagaaaagc	240
ccatggtgat attgccttac atgaattggg ggaatcttaa attgttttta cggcagtgca	300
aattagtaga ggccaataat ccgcaggcaa tttctcaaca agacctggtc cacatggcta	360
ttcagattgc ctgtggaatg agctatctgg ccagaaggga agtcatccac aaagacctgg	420
ctgctaggaa ctgtgtcatt gatgacacac ttcaagttaa gatcacagac aatgccctct	480
ctagagactt gttcccatg gactatcatt gtttgggaga caatgaaaac aggccgggta	540
gggtggatggc tcttgaaagt ctggttaata atgagttctc cagcgctagt gatgtgtggg	600
cctttggagt gacgctgtgg gaactcatga ctctgggcca gacaccctac gtggacatcg	660
accggttga gatggccgca tacttgaaaa gatggttacc ggatagccca accaatcaac	720
tgtcctgatg aactatttgc ccgtgatggc ttgttgctgg gccttaaaat cccggaggag	780
aaggccaag tttcagcagc ttgggtccca gtggctnaca nnaattccct ggcagcccct	840


```

ggggggccca ttgtctngac ttttgctgtc acaagtcctc cnaagcgtnc aggaaggaaa      900
ggtgccctgc ccggccctnc ttggganccc aattttngga tgccccaata cctcacngca      960
angnccccag aannnathtt gttttccaaa aaccngggnc cttaggna                    1008

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<210> 1477
<211> 984
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(984)
<223> n is a, c, g, or t

```

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<400> 1477
naaaactgga gctccaccgc ggggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggctgcac gtctaggtct gcccgcgccg gtcgcgacca aatccgatgg gactccgtga      120
tgcttctgtc cttggccttt aacgaaaact gtccaaaaaa gggaagaagt gttggtgggt      180
ggggggagga ggggggnccc ccttttccgt gggcacgggg aggaaggccg gcccgttatg      240
gnccnnccaa ccccggggtct gtcccanccc ttaacttgag cntggcccnc gtcccttcta      300
aaggcnceng ggccaaacnc ntnttgggac tgagggettn ctttaaggaa aacccttgct      360
ggtttangcc ctgnanggna tttgatcatt atattttanc atttaattct ctccatttta      420
ttgacttttg ncaattactn angnttgnga aaaaaaaaaa aaaaaaaaaa annnnggggg      480
ggggcccngn nccnathtnn ccttanngn nnnnnnatna nnnnnnnnnn nnnnnnnnnn      540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      960
nnnnnnnnnn nnnnnnnnnn nnnc                                             984

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<210> 1478
 <211> 1469
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1469)
 <223> n is a, c, g, or t

<400> 1478
 nctcactnag cncnangtc tagtacncna ncngcccanc attantttina agcccnatan 60
 tgnagttcgn cattacnngg ncatnctccg cctcctatna catagnntct nannacccan 120
 tacctntatn atantantta cntacatcc naantttatt tnntcnatgc ttactaaacc 180
 nnanaacntt nanancnnnn ctntttcata tnataaaacn natnttccnc ntntnttnac 240
 tctacnnanc tatttacnct natnattcnn atntctcgn cttcnnnct ccnccattnc 300
 tacnttnaat aannntnnta tnantatnch ntcaatcgtc accanataan nnttncattt 360
 ttnttttnaa cnannntctn tcaancaccc tttatnatnc tcttattann nncantnnnc 420
 nnccccnnna ntntttnttt tnnnanatca ntannncgan aatttacnct ttcttcaatt 480
 atnntaaann ctccctanca ncctctctt ctcttannaa tntntcncna cngcccncca 540
 ntgcgaacaa tntcnant ntcacnacc nccnttaac ntatnctnc anntntntcn 600
 ntncnnnac antcncnaca ttttatntat atcnnntnt nnnnaacnga cnntnnancn 660
 tnaattcat gcaannnana tntttnnang tttacctaa nttatcanct nttcctataa 720
 tctntanct nntnctnta tnnnancna tctaaacaat annctgcctt ttctcncatc 780
 tancattgtt atatanantn ntctatntn nnnncaattn cctaanccn nntgantca 840
 acctaacant ccaaancnca tnnnnnnntt anctntacnt ttgcctncna taancttcan 900
 acttncctcn cnncanntct cttnnntnch ctacaaactt tancanant cntcttnt 960
 tnatataana aatnncaatt annatnannn aagcnnnta acanttnntg tgncttctcn 1020
 ntctacttac cncacnct ccctcaccn tcgtncacc tctnatnant atatnanttn 1080
 ttcaaccan agcacngcgn ctcancttct ntncantatn attatctcat ctnttctnct 1140
 cctcncctcn tcnatcaacg ctttncntan nntaancaaa nctatcnntc atacnctttt 1200
 nattatcacc tnncttatat tnntcnnann cnatatatan caccactntg ctcaacnant 1260
 cntcttctna tntnncnaca ncncanatan nccnctgntt acncttccnn ntaannnncg 1320
 catntatata catctnct cnncanacant ncncnncan annnataatn natacnctcn 1380

tactctatat nntccacnch ntgtnttcac ctacacacac anantcttct nntnatatat	1440
cncgntacac ttatanatna ntncnngcg	1469

<210> 1479
 <211> 1030
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1030)
 <223> n is a, c, g, or t

<400> 1479	
ttnagccctt atantgagtn gnan ttacaa gggcgccgc tctagaacta gtggatcccc	60
cgggctgcag gctgcacgtc taggctcgcc cgcgccggct ccgaccaaatt ccgatgggac	120
tccgtgatgc ttctgtcctt ggcctttaac gnaaaacngt ccaaaaangg naaaagngtt	180
gnnggnnggg aagnaggggg ncccccttt cngtggncnc gggngnagg cccgttcttt	240
attntcctnc cnatnccnct tntnncccat nccnntaatt tntctngtcn gtcgtcnatt	300
ccntaanncc tctntnttca aaaanctttt tnnnggantn tgctttctct ttnngganna	360
ancttctttt tttaccnct tgnncngggg tttntccnt tttattntcn tccnttann	420
tcctntncta tntntntcan attnttacag ttcnctntnt tttctcntan nnataannna	480
anantnttc tttctnnng gnnccnntct cncctcntn tntttttat tttntgcnn	540
actntnctna atccctntn tncatntct ctncccntnn ctncccttt nttnattncn	600
nnntcnttnc ncnntctnt tcnntcntnn cntannnctt tncnatctct tntccccctt	660
cntnntntnt nntnttttn ttcattatnn ctttttcttn nnttttann antnantatn	720
ntntttntct tcctntntcc ntannntatt ncnccnnttc tttnttagtn nntcnnttc	780
tctncttann tttnttnnc tcttctttt nnnctctnan nttnccnttn ttcnnnctnn	840
nncttnttn nntnccnctt ntatnttn nnttatnttt ntntcccttn nntntnant	900
ttnantntnt tannnnnnna aattatcnt tacagnntn tttantctac tttctcnntc	960
tcnattcnnc nnnaatntn cnttntncc ncantntcn ntacntnttc tntcctnttc	1020
tntntancg	1030

<210> 1480
 <211> 1030
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1030)
 <223> n is a, c, g, or t

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<400> 1480
ttnagccctt atantgagtn gnan ttacaa gggcgccgc tctagaacta gtggatcccc      60

cgggctgcag gctgcacgtc taggctcgcc cgcgccggct ccgaccaa at ccgatgggac      120

tccgtgatgc ttctgtcctt ggcctttaac gnaaaacngt ccaaaaangg naaaagngtt      180

gnngnggggg aagnaggggg nccccctttt cngtggncnc gggngnagg cccgttcttt      240

attntcctnc cnatnccnct tntnccccat nccnntaatt tntctngtcn gtcgtcnatt      300

ccntaanncc tctntntca aaaanccttn tnnngantan tgctttctct ttnngganna      360

ancctctttt tttaccnct tgnncnggggt ttnctcctt tttattntcn tccnttannc      420

tcctntncta ttntntcan attnttacag ttcnctntnt tttctontan nnataannna      480

anantnnttc tttctnnng gnnccnntct cccctctntn tnnnttttat tttntgcenn      540

actntnctna atccctntn tncatntct ctnccctnn ctncccttt nttnattncn      600

nnntcttnc ncnntctct tcnntctnn cntannnctt tncnatctct tntccccctt      660

cntnnttnt nnntnttttn ttcattatnn cttttcttn nnttttannn antnantatn      720

ntnttttnt tctntntcc ntannntatt ncnccnnttc tttnttagtn nntcnnttc      780

tctncttann tttntnnnc tcttctttt nnnctctnan nttcncttn ttcnnnctnn      840

nncttnttn nnntncnctt nttatnttn nttatnttt ntntcctttn nntntnant      900

ttnantntnt tannnnnnna aattatctt tacagnntn tttantctac tttctcnntc      960

tcnattennc nnnnaatntn cnnttntncc ncantntcn ntacntnttc tntcctnttc     1020

tntntancg                                     1030
  
```

<210> 1481
 <211> 991
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(991)
 <223> n is a, c, g, or t

<400> 1481
 nnaaaagctg gagctccacc gcgggggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgaggg ttggttagag atgctcttga aagacaagag agataagagg 120
 tgtagagcca agtcttctag gtggcttgcc caggctactc tacctctggc ctctgattct 180
 caacatacat acctacatgg ctgctcttgt tagtacagn ttgattctct ggaaattanc 240
 cgcatgcctg cagcttgctt cgtctgagga taatgtcacc accagaatgg ctgctctgac 300
 catttgctg ggggctttct catggctttt tgaacaagga ngctgggcan cctaaaaata 360
 nttccacnt tacngcatng gttatgcctt gnggggaagg ggctggnat acttttcacn 420
 ttacaattct taagagaaag antagggcct tacctaatac aagncattaa aattaaataa 480
 tggncctnag nncntggang tttggaccaa aattntttt gaatttaacc cctggcccaa 540
 gtaaatgggt ggacncctna gccagttntt aatncnggnc caaaaacctg aangganaga 600
 atnattanct gcnnnggtacc cattgacntt ctaacttcct nttggcccct tatngcaaata 660
 ncnnttagga atgaaaaacc ttttgggatt ggngaacca acctgaaang ggantttcaa 720
 gncctttggt tgaaacaaaa nacaanttcc tnttggcccc angggaaacc ttaaaattaa 780
 aatntnncct ggaaacccgg cctngggggc atncccaaaa aaactgggccc ctttaggcca 840
 tttnttttaa ttccataaa atcnggncct ttggggngga aacctggacc caaatgggtt 900
 ggggtnggggt ttttttncc ttggnnttng ggaanggggt ttncccaaaa aggttttncc 960
 cccctttcnt ttttggaan ggggaaattg t 991

<210> 1482
<211> 934
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(934)
<223> n is a, c, g, or t

<400> 1482
ttnaacacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcggcacga ggatatcnca ctggtaaaag agatgcagtt gaagaaacct 120
gctgagttga agatttccta aatttacttt aaagggaata atctgggttt cttaactgca 180
ggggttttga agatatgaca tcctagagta atatcagagg atacttgga ttaccagggg 240
ctaatttaga aaagaaattg ttcttttaaa aggaaagaaa tttcagtaag aataatcaga 300
ttggcccaag gagcaggtgt tcagagtgtt actgagtaat atttactact aaaatactta 360
aagtaaaata agtaatttta ggaaatgtct tgattgaaca aagttatttc ttagaacagt 420
ttatgttcta tcaacgatgt ttaagtatct ctatcaatta tggaatctc tagttgaaag 480
aattctggaa ttcatgataa ggaatcaaga tttgaaactt tgaaaattat actgaatagt 540
tgctaatacta taaagatgct ttttaacatt gtacatttag gaaacatggg attggcotta 600
ttttatacat actcttttaa aatattgnca ttgcttaaga cttttcttga gagtgaatta 660
cctgggaata acataaattc catgcaattt taagtatttg ctattnaaaa ccaggtagct 720
ttaattgnng gatatgaatc tgactaaatg ngctnttacc aggnaatact atgncattct 780
accttatcnt tttggaaagg tattgcttga atgtccttaa aggtttctac cncatagnga 840
ttctggaagt tttccagtt tgnntttccc nctggaaaaa ttgggagtg aaatttttcc 900
caaaactttt acntttcaat taacttttagg aaga 934

<210> 1483
<211> 989
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(989)
<223> n is a, c, g, or t

<400> 1483
ttgaanacaa gctggagctc caccgcgggg gcggccgctc tagaactagt ggatcccccg 60

ggctgcaggn ncnagntntt atgntttttt ntaccgnnaa cctcannnnn tnnncagggg	120
cngattnaaa nctatnntgn gtcgnannan atanngntt tntntnnnan aangngggnc	180
nnaantngng ggncnnaggg naaaaaccnn cccnttnnnc ttcnnnanng nnggaaagg	240
cnttacncnc ccnttttttt tttaaaaang gnnccnntt tnaccccccn nnnnagnann	300
nnttncccg gaaaaccggg nannnttna agggcntncc nnaaaaancc nntncctttn	360
nnaaaattcc nntttaaatn aaagnnccnn anttnnccgg gnannttaaa annagntttt	420
nncnccgnt ttnntanccn nnaanaaaac ccnttaaaan cngnnttg ggggaaattt	480
ttnnnttttt tttgggaant annaccnnnn aaannttgn naaangntnn gnttgaaaaa	540
nanttttccc cctnaaatnt tttaaattcc aaaantnntn ttttnnggga aaaatttttn	600
gggaaatttt tccnaccgt tttngggggg gnaaattttt nccaattagg ggnncccccc	660
tngnntggaa tttctgggaa gnggggnaaa ttttactttt ttccccaaan ganaaaaang	720
gnttaaaatt ttttttcccc ccncagaaac nttttnnnnc cctttttncc gnnngggggg	780
gggnaaattc gggggcnctt ttttaanggn cccccctcc ngtttcccaa aaaaancccc	840
nntggggggg gccccannng gtttttttcn ccttgggggg ggaanttntn ttttnaaaaa	900
agggtntttt ttttttcccg ggccgngggn ggggnnttcc ccngggnttt ttttttttn	960
acaaaaagg gggngttttg gttncnnt	989

<210> 1484
 <211> 925
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(925)
 <223> n is a, c, g, or t

<400> 1484	
tnnnnaaaaac tggactccac cgcggtggcg gccgctctag aactagtgga tccccggggc	60
tgcaggagct ggangntgc atgcattgcc gcgtgtgccc caagcagctg agcgagtgt	120
gtaccgagcg cgaccctgc gatccgcaca agggcctctt ctgcgacttc tggctccccg	180
gntcaaccgc aagatnggta gtgtgcacca gctaaagatg gtgccccctg cgttttcgga	240
ggaactgtgt accagagcgg agagtctttc cagagcagct gcaaatacca gtgcacgtgt	300
ctggacgggt cggtgggctg cgtgcccta tgcagcgtgg acgtccgcct gccagcccc	360
gactgccct tccctcgag ggtcaaaactg cccgggaaat gctgcgagga atgggtgtgt	420

gatgagccca agganccacac cgtggtcggc cctgcgctcg cagcttaccg gccggaagac	480
acgtttgncc cagacccaac catgatccga gccaaactgcc tgggtccanac cacagagtgg	540
agtgcctggt ccaagacctg nngaattggc atttccaccc gggttaccaa tgacaacgca	600
ttctgcaggc tggagaaaca anagccgcct ctgcatggtc aggccttgcg aactgacctg	660
gaggagaaca ttaagaaagg caaaaagtgc attccggacc cccaaaatct ncaagcctat	720
caagtttgag cttttntggt tgcnccaacc ntgaaaaacn taccgggctt aaattttggg	780
gaatgngccc aanacgggcc gngggttgca ccccccaaa naacccccac cttttcccg	840
nggagnttaa agggnncccg gangggggaa nggntnttna atnaaaaacc tgnaattttt	900
aatnaaaaaa acttngngccc ctnnn	925

<210> 1485
 <211> 1012
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1012)
 <223> n is a, c, g, or t

<400> 1485	
gcctatntgg agctncatcn cngtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggcttgct accttctgcc accgttccat ggtctctgga aatccttccc accaatgaaa	120
gccttcggtc ctggcattgg ccttccacct agaccggctt tgccctctct ctgccatcct	180
cggctcctca gagaccacac tgctgtcac aaagaaaacc accacctcg gctgcccagc	240
catcaacttg gaaaatcggg ccagctgtct gctgctcacg tctcccaggt ccagaccaa	300
cgggatcaac aaccacagt ggtgactcag tctcttacct caggagccaa agcaacacaa	360
aacaattggt caaacatcgt tgggtccgat tctgagagta ggtgatttct agacatgtct	420
ttcaggtgac cctcaactac ctcaggtttg aaggccctaa attaagctga tactactcat	480
ggggacagac cgaggagggt tcggagaaat cttggtgata acgcacttgt ctcaaactta	540
caacaaactc acgtttcggg ttgcaggggg tgggggtggg gtttggtttt cttctgtttt	600
taaccttttc ccccaaatt ttccattaag aatagttcct acaaatgaaa tttcatttct	660
cactgagtgc ctaccttccc aggggcaggt annccctggg ntttgtttcc ttccaagcag	720
tacttttatt atnngntat taanaacttt tctttgtata ataccattgg natctgtgct	780

tttcaat	tttcaantaaa	naccttcnaa	ccctggcaaa	aaaaaaaaan	aaaaatncng	840
gngggggggg	cccgggtaccc	annangngnc	tnnnanngtg	acnttttttc	nnngcngtgt	900
tttatanann	tnntnagtgt	ctttttnttc	tcnattcgnt	ttcattcatg	cgttangctc	960
nnntnnntn	gcntttantc	tcngngnnnc	tcntgcnnntn	tnncttcgnc	cc	1012

<210> 1486
 <211> 1488
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1488)
 <223> n is a, c, g, or t

<400>	1486					
acncnntntc	annntantaa	ttttctnttt	nnntttnttt	ntttttntnn	ntnntactna	60
nannnnnttct	ttncantcca	ngatntcgtn	tnnntactcc	tnngnantnt	nnnangtttg	120
tctcntaata	tnnttnagna	naactggagc	tccancgcgg	ngggcgggccg	ctctagaaac	180
tagtggatcc	cccggngctgc	aggctgcnn	gttttatnnt	ntnnttnnac	cgtatancat	240
cnnntccaan	ttgnnttnn	ngtcttcntt	tatnctcttc	tcnnttnaat	tagacnnttt	300
ttttnaantt	natntnttc	ttttnncatt	tntgtcntnt	attntttttt	gtatanntgn	360
tncnagtntt	tnntttnatn	anattntctc	ttantttttt	nctncnnnct	cctantttta	420
tacntttntn	ttgattncta	nnttanaaan	nttcgttttt	ggatntntat	tctntttttt	480
ttaatgntta	ntncttcnn	ttcntttact	tcanntnttt	atngntnaan	attangactt	540
atatatntac	tantttnttn	antngtat	cgtnncttnn	tcnnttat	ntcnncttg	600
atnatnntnt	gnntgncagt	nttttcnntt	tnnatnttat	nttttnntt	ctttaanntn	660
nnnttttttn	tatnnnacnt	tngnantnta	ttattttnat	nnnttnntnc	ntcntantnt	720
atnnagannt	tccatanttn	tnccctttna	anntntttcn	ntctttctaa	ttctntcnnn	780
nagantcaan	cnatntntt	tncttntnt	tnntantnc	ntccntnttt	ctctngaaaa	840
atccatnatc	gttnnaantg	aaaaantatn	tnctgtttnt	tcattncnct	atncnttcnt	900
actacannna	tctcattggt	cattantttc	cattncgata	ncgngngnnn	tgntttcntn	960
tnatcannt	nnnactntn	tnngctaatnt	cnannnnacc	gantngggnt	ccntttnnnn	1020
atcnnntttt	ctctacagan	gggcttcccc	gttttaacnc	ccccccncc	cacanaatnt	1080
nngaaaaanc	tctcccttcc	tcccccttnt	ctcttcccnt	ttccnaann	cnattanata	1140

aangnttttt cctttttaan aaaaaaatna angaggtnnn gcgcgnnnnc ccccttccc 1200
aaaaaaaaa aantgtaatt ttgggggggg ggggggggna ngngttttgg gtttntntt 1260
ctttcntagn tncntnttan aaatttttng ngangcccc ccccccccc cctncccc 1320
cnccccncc anccccnct tttnancttt tttttttcc cccntngaaa aaaaaatccc 1380
cttcttttat ggggggggtan naacananat ttttnggttn gtgtgccaac naagnnttt 1440
tttttagngg gggggccttt tnaaaaaaaaa tatngngngn ggggggcg 1488

<210> 1487
<211> 1268
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1268)
<223> n is a, c, g, or t

<400> 1487
tncttntngn nggacncgan cnancnnncn ccctnnntt nagnccctat agtggagtnc 60
gtattacagg ggaggncgct ctagaactag cggaccccc gggctgcca gnttgcnngc 120
ccnaggcctg gcntcnttg cncctggtgt gatacgaacg cennnnnnnc cccctcgng 180
annctgnctc cctgcnct naccacctga ntntccctnn cnaccngcca cncngngntn 240
ttttntngn gttntcctgt cgnttgntcn cgagaaataa ncnntntntt ttgntcgacn 300
gngangncn nctnttttc tttgntntnt nntgnntccc cccctncccn cntatttngt 360
tttcnncn cccntnnncn tcgnantttn ntactgcntn attctgtgng ccncaannct 420
ccnncnttn nccgngnncn cgncannnnn tccttncact tnttcnnnnn ncnnccctcc 480
cngncctgnt tnttcgaana tncctgtnn nnnacncntt nnttnatnt cttnnantcg 540
nnccccctcn ngcnngacg ancgnnncct nnnattntnt nngccntttg ttgcnnctn 600
ctcgtagtc ngtnngnt ngnnctcct ntcnnnatn cggntcnnt gctcttgng 660
nccnncnca tctnnanntn ncctttnttn cgngtgngtc cnnntncnt ctntntnacn 720
nccntcnnn ncngctcnc ntttctntcc gncntctnt ntcnnnncc cgnnggcn 780
ngtcnngttn tngnncnnnc gcnctncc tctnnntt tnnntnacn ttannnnnn 840
nnncngttac tngctctgcc nncnccttt tctcttctt ctcnncngc cnccccgnc 900
cgnetgctnc cncntcttta attnttcac cancnnccg cnetgntct atctnnncn 960

tcnancatnt tngcttnnct gtctgtccgn cctntcganc tgnnttatcc nagctattnn	1020
atctactat ccctngtctn ggctcttttt ntctctcttc ntttntcttc gctntgcnc	1080
gnnncanccn tttnatnntg cgcgcnnntg tttnctctct tnnncgcct ctctnctct	1140
nactntnann cttcancnan nttncttcac nctcttatan annttcnntc nnannctnc	1200
ntacantngn ntccggttna tnnngagagc gtctccgtat agncgcgcnt nanntntcnc	1260
atcgntcg	1268

<210> 1488
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1488	
tnnancnana tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggc ccgcggatct gtctcttgct tcaacagtgc ttggacggaa cagacccagg	120
gacgccccctt gttcaagctc nancnacctt caancctttt ttcnancna ancnttgga	180
ncnancnntn nactngncgn gaacanccgg gancnaccnn cnttttttaa cttcntanta	240
ntancnnnca atnatnaacn nccaaaatnn ncanaattan tctaccnang gggangncng	300
cngcnaccgg ctgggtaaca tgnnactggg ggccttctac acctancttt ctctgggctt	360
ctatttcgac cgcgacgang tgggcctgng aggggtgtggg gcactttttt tcgcgaattg	420
gccanggaga aacgccgagg ggcgccggag cgtntctttg aaactgcgaa ancancgtgg	480
ggggccgcgc cctctttctg ngcgtgcnc aacntntcn aaaanagagg ggngaaacca	540
cgacgctntg gagggcgcnc ttntcgtaan agaanaaaac tnnataaacc ctgttgga	600
tgcatgggct ggnttntgcc ccggagaacc ccacatatgt gactttctng agnaacacct	660
tctatatgan ggaggggana ctcttcatna aaaangggng gacatcttgn ncaaccctcn	720
gcanggttgg gtggtgcccc aagntggggg tggggggaag aatttttttn nnaaanggt	780
cncctctcan cccaactaa ggaagccttt tgggggaacc acnngggccn ttttagnaaa	840
cccccttaa aaataagggg ggnggcttgg aaaacccctt cttttgtagg ntacttaagg	900
gaggnttttt ttttaaaaaa cctngggggc ccnctttttt aaaccctttg gggccattnt	960
ggggaaaaaa ntaanaagnt t	981

<210> 1489
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1489
 tnnancnana tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcaggc ccgcggatct gtctcttgct tcaacagtgc ttggacggaa cagacccagg 120
 gacgcccctt gttcaagctc nancnacctt caancctttt ttcnancna ancnttgga 180
 ncnancnntn nactngncgn gaacancgg gancnaccnn cnttttttaa cttcntanta 240
 ntancnnnca atnatnaacn nccaaaatnn ncanaattan tctaccnang gggangncng 300
 cngcnaccgg ctgggtaaca tgnnactggg ggccttctac acctancttt ctctgggctt 360
 ctatttcgac cgcgacgang tgggcctgng aggggtgtggg gcactttttt tcgcgaattg 420
 gccanggaga aacgccgagg ggcgccggag cgtntctttg aaactgcgaa ancancgtgg 480
 ggggccgcgc cctctttctg ngcgtgcnc aacntntcn aaaanagagg ggngaaacca 540
 cgacgctntg gagggcgnc ttntcgtaan agaanaaac tnnataaacc ctgttgga 600
 tgcattgggt ggnttntgcc ccggagaacc ccacatatgt gactttctng agnaacacct 660
 tctatatgan ggaggggana ctcttcatna aaaangggng gacatcttgn ncaaccctcn 720
 gcanggttgg gtggtgcccc aagntggggg tggggggaag aatttttttn nnaaanggg 780
 cccccctcan ccccaactaa ggaagccttt tgggggaacc acnngggccn ttttagnaaa 840
 ccccccttaa aaataagggg ggnggcttgg aaaacccctt cttttgtagg ntacttaagg 900
 gaggnntttt ttttaaaaaa cctngggggc ccnctttttt aaaccctttg gggccattnt 960
 ggggaaaaaa ntaanaagnt t 981

<210> 1490
 <211> 958
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(958)
 <223> n is a, c, g, or t

 <400> 1490
 tnnnnaaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa ttccggcacga ggcactaata aaaattgtaa acaatgcatt catcgacctt 120
 ccagcccat caaacatttc atcatgatga aatttcggtt cctcctggg aatctgccta 180
 atcctacaaa tcctcacagg cctattcnta gcaatacact acacatccga cacaacaaca 240
 gcnttctcct ctgttaccca tatctgccga gacgtgacct acggtgaaa tattccgata 300
 catacacgcc aacngagctt nnatggtttt tatctggnta tatatgcccg gaggaacaag 360
 nttatattac cgggtcntac ccttttctaa aaacatngaa tattngagtn attcntttgn 420
 ttacannnat aagcccnna nttaaangga ntccnctac cntnaaggnc aatantantn 480
 tnnngnacca cagncnttaa ccantttta ataancattc catnnctng naccaaatta 540
 agcгнаaggа attngngng gat_ttaana aaacaaagca ccccttacc aatnnttgn 600
 tttccattta atccttcnnt taatnatcat accaatggcc ttagncact tatttttctt 660
 cncgnaaaan ggttccaaca aaccaacag gaantttctt anaacgtna ncaaaatccc 720
 ntccncccc ttctttttcc nttaagggcc nttagggg ncccttttac naatttaagc 780
 cttaaaaccc ccnaggccct ttccncccc cgaccctcct tggggaaccc canaaactta 840
 cccccaagc caattccatt taaaaaaccc ccnttttaa ttaaaacccg gnggggaacc 900
 tttttttttt gggaaacca anttttaaaa acaatncccc cccaaacctt gggggggg 958

<210> 1491
 <211> 1109
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(1109)
 <223> n is a, c, g, or t

 <400> 1491
 ttgananngc tggactccnc cgcggtggcg gccgctctag aactagtga tcncccggc 60

tgcagganttt nggctcnagg attttnnnct gntnccannc atgcaacttg aanatggggn	120
nctnngttga acgatccact atggaaangg aaagnngnngn canctggtgt ntcttacatg	180
gangngctc tagnanattc ccacctgcct actgnagaat nccnatgnta caacntagat	240
catacatgnc gntanctann anancanctn gcnagttgan natgaatnna ntcnnntgg	300
ncannnacnn aatangatnt nnttgnnnt gtatntaatn ntaagattnn acttannctn	360
cnannttncn nnnagtannc tncntacttn tnnngnancn gcnnntntna ntaccnannt	420
tnttngngtn actcnaantn ntgntncant tnttgnntan ccnctnnant cctcatccan	480
ctntntgata nnncttttgc cccnataccn tnttntcttt cgnnttttct tgnctcnatn	540
tnaacncttt gatccnaatn nanntaacnn antnctatnn cnnncanenc nnatntccct	600
ctncttntac tgtttntnn tnaattnatn tnncnngncc nncancctt ttcnnntatc	660
tcttngtct nttctnatac ncttngctnn ctttncctnc tgtctccnan tttccctnct	720
ccatntcntt tttgacctt gnnctcccc cnnannttcn ntcagnaacn ttccttnna	780
antttnttta tttctncttn tntttcttac nctntntcn ctttctantt tntnagnenc	840
nctcccatnt tntttttnnn ctcnanaatn nccnatntn nttccctnt tgtantntnc	900
ccaccnctc tnanntnnc ttnnttctgn ntcactntnn tnncnctct nnttntnt	960
nncttntc gacnttcta cagtctcnc tntnttttn ttcntnctat cttatattnc	1020
tntcanntcn ctgnnnncnc tntgtntnc gctcttctc tannnctaga tagtganctc	1080
atcttctaatt tttctncttt cctcacct	1109

<210> 1492
 <211> 971
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(971)
 <223> n is a, c, g, or t

<400> 1492	
naaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggtagctc ctcttcatct cccagaccg gccagcagga acccccaaag cctncctgag	120
tctgacagcc aggacgtggg gctgagggcc gggaacagct tccccaggc agctcctgcc	180
aggetgtccc gtggatgctt cacttgctt tttctctc tccagaaca gtatttggga	240
gattttacta cttattcaga ctctgggta tttattgcag attggcaagt gcttgtttgg	300

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gggatgaagg gtagggctca gaaagtggaa atatggtctt cctgaccttt caggtccttc 360
agcatcctct tctccctgcc tctgggacct tcttggtttt ccaggagatc ctggctggaa 420
gggctctgag ctctgtaata gagctgggtc taaggggaac tgggtgtgtaa agaccctggc 480
atgggggcaga aacacactgc ttgccagcag cctgggtcatc ctcttcccag aacttggttg 540
ctggtagttc actcccagct ggatcccttc agagcctgag tcttgggcca cagtctggga 600
cccagcagac actgcccagg accctgatgc attctnttnt cgctgtccc tntgcccttc 660
cttctggac catactactt ggaatcactg naatctgaat tcgccttaat tggcanggcc 720
tgggtccagt gcccctntcc ttggncttg naagaaagg caaaaanagc ncangggacc 780
ccttncccag gntaanaacc gagcttcccc caatngggaa ggaacctgcc ggtnggcaaa 840
tttccccct tgncccacc ccaaaaattt ttaanggan ggnccccaan aaaccnnaa 900
aactnccan ggntttctta anttgggaac ctnccccccc ngacnttttg gaccttgtec 960
nanaaaggac n 971

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<210> 1493
<211> 908
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(908)
<223> n is a, c, g, or t

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<400> 1493
tnnnacaaag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atccccggg 60
ctgcaggaan tngncncgag gcatggctgc agtcaccatc tacagtgatt ttggagcccc 120
caaaaataaa gncagccaca attcccattt attngcgatc aagtgatggg accagatgcc 180
atgatcttag ttttctgaat gttgagcttt aagccaactt tttcactctc cactttcact 240
ttcatcaaga ggctcttttag ttctttctca ctttctgcca taagggtagt gtcactgca 300
tatctgaggt tattgatatt tctctcggca atctcgatac cagcttggtc tttctccagc 360
ccagcatttc tcatgatgta ctctgcatat aagttaaata aacagggtga caatagacag 420
ccttgatgta ctccctttcc aatttggacc cagtctgttg ttccatgtcc agttctaact 480
gttgcttctt gacctgcata taggtttctc aagaggcaca tcagggtggc tggtatccca 540
tctctttcag aattttccat aagtttattg tgatccacac aagtcaaaag cctttggcat 600

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aatcaataaa gcaaaaatag atgtttttct ggaactctct tgcttttcca atggatccaa	660
cggatgtaat ggttgaanaa actgaacggn tctatganga cctaaaaaga ccttntaaaa	720
ctaacaccca aaaaagaagg cccttttctg tatangggac tggaatgcca aaagtaggaa	780
agcaagaaac ccctggagta acangcaaan ttnggccttg gagtnccnaa aggaagcngg	840
gccaaaggct taccaaaaant ttgccaanaa aaacnccctg ggncataaac aaacaccctt	900
tttccaan	908

<210> 1494
 <211> 1031
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1031)
 <223> n is a, c, g, or t

<400> 1494	
gcctatanng agnngnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggnaccat ctancnngan tgnngntgan cggncnngtn ntgagnaaan tnannncnga	120
gaagaccntg gtngtngnnt tgctgctcat tgacgttgna gnncttgaac gaagctncnt	180
ggcttggtgc cctnacatta atnnaangng naaagnnnta tnancacnca ctgcngtnca	240
tacnannnnn gcncannnga gctctnacca ncaagnnnnt nnnnggatntg cagaannntc	300
tntcnaannn gcnnnngnac tacananacn nnnnngnact tagannnaan tgcngcatnc	360
antgnaacna nnnggcntna tgcnnnnnnn tggannngga accnnacann cgatggaatn	420
nganntncnt aganncgana gcccnnttga ctanttgaat aaggcnnttg nacctttcat	480
aaaganngtn gaaaagcnga tntacnaggc catatcgtn tggctnga at ngtacannct	540
gctcntgtta tgataaacct attncaatac taaataacct aattcntgct gctcatacat	600
ntaanatgct gctttatact ttgnnccang ctgaccnntt cntgaatatc catncannnt	660
tagggncatg ccntnnaaat cttnttntcc ttgnccagaa ggcgntacca natntnncaa	720
tanaatttag catggactag gaggcctga atnaccang gacattacgn nggannttgt	780
taatnccata atngaancna ctncnngtg naacnatgan cnctnncgan ccntangntg	840
gttnntngcc ntagcnnaat ttcnatnc naaatttggn ccnnttnaag gnctttttgc	900
tcctaactn ntnaacant cccnctttca ncnanttn nantnatant ttcntngccn	960
tttaantcnn ccannnttt ncgggannnn ctaaantntc ctantgttaa gncccttttt	1020

ntttngggcc c

1031

<210> 1495
<211> 993
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(993)
<223> n is a, c, g, or t

<400> 1495
gcctacngga gctncaccgc ggtggcgggcc gctctagaac tagtggatcc cccgggctgg 60
cagggttttt tttttttttt ttttttaagt ttttaaacct ttttttangg gganccngnc 120
ttttttnaaa aanccccccc caaanccccc cangnancnt aanntttccn ttttttcccc 180
ccnaangaag ggcanannc ntttnaaaaan ttggngnnaa nccccaaaaan tttttnaaag 240
ggccnanant tttttttttt tnnaaangaa aanncccccn naaagggnncn ttttttcccc 300
ccccccnnc nncnngnnaa antttttngn aaagnccccc cttttaacca aancaaacna 360
aantncnga nngggncngn aannccnnan ngggggggta acccnnggna ccggccnagn 420
attnaaaaaa nttttttaaa cttttgnaac cntttttttt nttttttaag aanngggttc 480
cncnntcngg cccttnnccc nnttaaaaaan tnccaaaana aaaaaggcgg nnnantnggg 540
tnttnnacc aaaaanctnn tttggaaaaa aaaggcntnn ccaaattttt ttnccaaacn 600
ttgnaaaaaat ntggnaagg gntntttttt ttnaaaaaa aaaacttttn tttggggggg 660
gncctcccga attttntnng ggggtgngtt tttcngcccc nannaanaaa accccccccn 720
ggnggaattt cncgggagna aacanaaaaa aggggggnntt tttttnaaaa ccnggggggg 780
gggcncctt ccaaaaaaaa aanggggggg ggnggggggg ngaaannttg ggnccctttt 840
nccngggcnn naantttttt nttttncnc gannggcncn ccccnngnng gnttttngga 900
atttttttcc cttaaaaaaa nnncccnggg ggggcacnnn ccttncacnn ncccngggg 960
ttttcccccg cccccnaaa nnacggggng ggc 993

<210> 1496
 <211> 1361
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1361)
 <223> n is a, c, g, or t

<400> 1496
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 gcgtattaca angngggacg ctctagcnn c tagnggcac ccccccgggcc ngcaggcnat 120
 cctnctctag gttnncnnttn nntngactc gggtntntca ncgcttnt n nagttcttn 180
 tnccccgcgg atgannactg nntcccatct gnntantacc ncangnnntn cgccttnacn 240
 tggncagncc ncngggccnc gatcgntga nacaagtng ctctnttgg tgcnggacna 300
 ncacactgcn tnnnantntc ncntgncacn cgctnanacn ntнананга ntttgctggn 360
 acangcantg nccgtcatnn cntntntgcn ngggccagta nnagnantgg anacnnntt 420
 ncncgnagc ttgtntangc ccaanttctt nntnctacca gggagcnnan aangnggcct 480
 ctnttgntan ncaaggngnn tgnnatnttg ggncccgnc nncnngtcc cgatngggca 540
 cctnctntnn tattanggtc atntgacncn cccctgggcg aacttctgaa tctnnnnng 600
 nnagnntcct ngggacgcn taanantnta nccccccnn tnnctagnag aggnngntnc 660
 cnannaccng cctnangggc ngancncgnn ngnannnnan cncgtnnncc atntcncgc 720
 catntgtctn gnnaangctt actcnnann nnacctcgnc tgtcttntct ncntnggcc 780
 nnggngnga tcgctnacnn gnncccggc aagccngcn gnnnnngnn nntntaantn 840
 nccctgntgc cnnnnntnn gnttncnna tgtcnacnc cattnnntc cnnncagnng 900
 cnnncnng ttttgntccc ttccttatgt gtccctctt ctgcccccc ncntcgcaa 960
 tnggancnt tggccnntg nntatcannt nctcantng gnanccatac ccacnganca 1020
 cntagaang tatatctcan cncngngcat tantnnntt ancttntctn tngantnt 1080
 ctactncgct ctcatnnntg cctncnta ttntcattag nncanaan c nntgntgan 1140
 tncntcnnn tnnccntca tannnnnca ncntncagtc tcngnccaca nngcnagcgc 1200
 tgttnnncnc ntgcgnannc anntntntnt cgtancantg anangangnt tatnactgt 1260
 ttgtgttcta tctnagngcg nncgcncac angnggctgn nacnnacata nanantcng 1320
 ctcatncgat ggngnggcc tancgantgn nnangcncgc g , 1361

<210> 1497
<211> 956
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(956)
<223> n is a, c, g, or t

<400> 1497
aacaaaaactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggggttna gngtcctctt cagcgactca gtacggggct catgagcaga cacatgcgat 120
gtatgtttcn actggttcct tngttaanaa nnanncnnc ctnanggcna ccttgancn 180
nnnnnttcan antcttaanc nttaantnnc cccancggan nnaannaan ncnnnatggg 240
gggaaccatt ctnggcccaa nnctngtnaa cancattaac ancanggcgg ttaagntttt 300
catttgggca nccacanna ncannctggc atttaacatg nnggggttg ccaanccac 360
ctttatnaac ctggcttaat anacacagtc tacagaaata tttttcccaa cagnacannc 420
agacacgtgt ttacaatat catactnttc atgtgtaaga ncggggntnc acnnaatnta 480
caccacatng ggcattgtcn tcnagaacaan cccaccccca acaannnnnt gtgaaggng 540
tctgggggaa accnaaaggg gaaaatcctc ttccttttat gggtnataca ctgggagcac 600
anaaaactag aaattcttnt ttttgtttgn aaaaanatat ntggatnnnt tgtacaaccc 660
ataanaagnn tgacaactga cttgtcggng gaagaaaatt tggaccnccg tagaaggcct 720
tttttgaaaa ttgtgggnng ntgcataata acaaaatgat ggttgtccaa aaacccccaa 780
ggaaccccaa cntttgttg tggnaaantg ggagattttt ttttttttat tgacccttg 840
aaagggnttg anaaaacaaa atcatttttn tnaaaaaaaaa agtanccann agggggtttt 900
tggttggttt ttaccgcctn naaaaaaaaa aaaaaaaaaat tcnnngggggg gggggn 956

<210> 1498
<211> 956
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(956)
<223> n is a, c, g, or t

<400> 1498
aacaaaaactg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60

gcaggggttna gngtcctctt cagcgactca gtacggggct catgagcaga cacatgcgat	120
gtatgtttcn actggttcct tngttaanaa nnanncnnc ctnanggcna ccttganccn	180
nnnnnttcan antcttaanc nttaantnnc cccancggan nnaannaan ncnntatggg	240
gggaaccatt ctnggcccaa nnctngtnaa cancattaac ancanggcgg ttaagntttt	300
catttgggca nccacanna ncanctggc atttaacatg nnggggttgg ccaanccac	360
ctttatnaac ctggcttaat anacacagtc tacagaaata tttttcccaa cagnacannc	420
agacacgtgt tttacaatat catactnttc atgtgtaaga ncggggntnc acnnaatnta	480
caccacatng ggcattgtcn tcngaacaan cccaccccca acaannnnnt gtgaaggng	540
tctgggggaa accnaaaggg gaaaatcctc ttccttttat gggtnataca ctgggagcac	600
aaaaaactag aaattcttnt tttgtttgn aaaaanatat ntggatnnnt tgtacaaccc	660
ataanaagnn tgacaactga cttgtcggng gaagaaaatt tggaccnccg tagaaggcct	720
tttttgaaaa ttgtgggnng ntgcataata acaaatgat ggttgtccaa aaacccccaa	780
ggaaccccaa cntttgttgg tggnaaantg ggagattttt ttttttttat tgacccttg	840
aaagggnntg anaaaacaaa atcatttttn tnaaaaaaaa agtanccann agggggtttt	900
tggttggttt ttaccgcctn naaaaaaaaa aaaaaaaat tcnnngggggg ggggnn	956

<210> 1499
 <211> 992
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(992)
 <223> n is a, c, g, or t

<400> 1499	
ttnaaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atccccggg	60
ctgcagggtta cccccaccc cccaacataa ggacaagtca gtttgtcagt agcttcctct	120
ggcttgaacc ccctcgattt ttatagcca cttaaccatg cataacagac aagtcccata	180
tttgtcagta gatgcctttt ttttttttnc ccccnnggn ttaancctta agggccnaan	240
cnnaaaaaaa aaanncnan cggtttanaa aancnactta gggccttgga atnnaacttt	300
ggcnttggna ananattacc ttttnaggnc caaagggcc cgggnnccn cccnaaaacc	360
tttgccccgg ggngggggng gggggggggg catttaaaaa nannanntcc ntccatngga	420
aaaaaaatng cncttttcnt taatttaa atttccaaaaa ttttcttttt ncctttccgg	480

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gggagcccc acccccccctt tgggaangtt nttnccaaat ttggtttttt nggggaaacc 540
tgntttgaaa ttnaaaaacn tttttttttc ccaacctgaa acctttgggg gaaaaaattt 600
tgccnggggt nnggnanggn cnnnnaaaaa ggaaaaatgg naaaacgggg ganaaaaatt 660
gggnaaanaa aggggggaact ttgggaaaaa aaatTTTTTT ttttttttaa aggggggggg 720
gaagggggaa ctttaanggg ntttttaaaa aaaatTTTgt ttttgggggg nnaaaannnc 780
ccccnttnt tnntggggga attttttnaa aaaanncccc cccaanngg gggggaaaag 840
gttttnaaaa aaaaaaaact ttttnngggg ggggggaacn nnaaaaaggg ggTTTTTTT 900
nccccaaaaa aaaatTTTng gggnaaaaan aaatTTTTTT ggnaaaaaaa nnttttaang 960
ggggTTTTng ccnnaaaaaa aaccgggggg nt 992

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<210> 1500
<211> 953
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(953)
<223> n is a, c, g, or t

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<400> 1500
ttganacagc tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct 60
gcagggcacc ccgtgctgct gacggaggcc cctctgaacc ccaaggccaa ccgtgagaag 120
atgaccacga tcatgttcga gacgttcaac actcctgcca tgtatgtggc catccaggct 180
gtgctgtctc tgtaacgctc tggccgcacc actggcattg tcatggactc tggggacggg 240
gtcaccaca cggtgcccac ctacgagggg tacgccctcc cccacgccat cctgcgtctg 300
gacctggctg gccgggacct gacagactac ctcatgaaga tcctcacgga acgtgggttac 360
agctttacca ccacagccga gcgggaaatt gtgcgtgaca tcaaggagaa gctctgctac 420
gtcgccctgg acttcgagca ggagatggct accgctgcat cctcctcctc cttggagaan 480
actatgagct gcccgatggc cangtgatca ccattggcaa tgagcgggtc cggtgtcccg 540
angcactctt tcagccgtcc ttcttgggta tggagtcctg gngcatncat gaaancacct 600
tcaacttcat catgaagtgn gacgtggaca tccgaaagga cctgtatgcc acacggngct 660
tgttnngggg aacaccattg taccctggct tcnttgacag gatcaaaagg aaataccggg 720
gctgggttcc aagcccgatg aaanatcaag aatcttttgt tcttcccgaa cgccaagtac 780

```

ctcggggggg gatcgggang gttccattct tggccttccc tggncncct ttcaaaaana	840
agnggggttc aacccanccc ggaantttga ccaagtnttg ggccccctcc ntttggcccc	900
cccgaaaang cctttttaaa agggactnng gaaccaana gcctttanan ttt	953

<210> 1501
 <211> 978
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(978)
 <223> n is a, c, g, or t

<400> 1501	
aaaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcg gcacgaggca gccttgtagc ttcatcacia cgagatccag gaagtgggca	120
gttctatgaa aggcctccga tcattgatct tgctggacct gagctacaac caccttagga	180
aggtacctga tggactgccc tcagcccttg agcagctgta cctggagcac aacaacgtct	240
tctcagtccc cgacagctac ttccgggggt caccacagct gctgtatgtg cggctatccc	300
acaacagcct caccaacaat ggctggcct caaatcctt caattccagc agcctccttg	360
agctgacctc tcctacaacc agctgcagaa gatcccccca gtcagcacca acctggagaa	420
cctctacctc caaggcaata ggatcaatga gttctccatc agcagcttct gcaccgggggt	480
ggatgtcatg aacttctcca agctgcaggt gctgcgcctg gatggcaacg agatcaagcg	540
cagcgccatg cccgntgacg cgccccntg cctgcgcctg gctagcctca tcgagatctg	600
agcgccactg ggcgcanngc catgccccca cgctntttg cattttggct tgatggtttg	660
gtttggcttt tgaatggaag gtctgggaac aanaccgtgt gacaaaaggt ccatngggct	720
ctntttttaa acctnttnc ctggagggca gttttagggg gggncanggg gaaaggcccc	780
ttttttgtt gggggggaaa atgaanccct tccgttttcc aaaaaaaaaa aaanggttg	840
ggaaaaaagg ggtnaaaacc cctggaaagt cccagtcct cccgaaaant ttnntttacc	900
ccttaanggg ttttttcaaa ggggaatcca agnngccttg naaccnttg gcctnggaan	960
naanaaaaaa aaaactgn	978

<210> 1502
<211> 914
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(914)
<223> n is a, c, g, or t

<400> 1502
aaagctggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag 60
ggtaaaccce agcccttgac ctcttacagg agctttgtct gccctcttaa taacatccgg 120
cctaaccatg tgatttcact ttaactcaat gaccctgcta ataattggcc taacaacaaa 180
tatactaaca atataccaat gatgacgaga tggtatccga gaaagcacct tccaagggca 240
ccatacccca gctgtccaaa aaggcctccg ttatggaata attcttttta ttatctccga 300
agtactattc tttaccggat ttttctgagc tttctaccac tcaagcctcg cccccacccc 360
tgaactaggc ggctgctgac cccaacagg cattcaccca ctaaaccccc tagaagtccc 420
actgctcaac acctctgtcc tattggcttc cggagtttct attacctgag cccatcatag 480
tttaatagaa ggggaccgaa agcatatatt acaagcccta tttatcacca tcacattagg 540
agtctacttc aactactac aagcctcaga atactatgaa gcacctttta ctatctccga 600
cggagtttac ggctcaactt tttttgtagc cacaggcttn cacggncttc cacgtcatca 660
ntgggggtcca ccttcttaat tggctggctt ctttccgcca attaaaantt cantttactt 720
ctaaccacca ctttnggttt tgaaagcccc tggcctggaa ctggaanttt cggaaaacgt 780
annccggact tttccctcta tggtnctatc caatggggga aggctcctna aaannnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnna nnnnnnnnnn nnnnnnnnnn nnnnnnaaaa 900
aangnggggg gggg 914

<210> 1503
<211> 993
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(993)
<223> n is a, c, g, or t

<400> 1503
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60

ggcccgagcg cgcgtctggc cgcactgcgc tcgccctgag ctccgggctc ctgctaagcc	120
agcgccgctg tcgcctccct ccagtcgcca tcatgatcat ctaccgggac ctccattagcc	180
atgacgagat gttctccgac atctacaaga tccgggaggt cgcggaacggg ctgtgtcttg	240
aggtggaggg gaagatggtc agtaggacag agggtaacat cgatgactcg ctccattgggtg	300
gaaatgcctc cgctgaaggc cccgagggcg aagggtaccga aagcacagta atcactgggtg	360
tcgatattgt catgaacat cacttgcagg aaaccagctt cacaaaagaa gcctacaaga	420
agtacatcaa agattacatg aagtcaatca aagggaact tgaagaacag agaccagaaa	480
gagtaaaacc ttttatgaca ggggctgcag aacaaatcaa gcacatcctt gctaatttca	540
aaaactatca gttctttatt ggtgaaaaca tgaatccaga tggcatgggt gctctgctgg	600
actaccgtga ggatgggtga accccatata tgattttctt taaggatgggt ttagagatgg	660
aaaaatgtta acaaagttgg cagttacttt ggatcaatca cctgtcgtca taactggctg	720
gctactgctt ttcattccaca caacaccagg acttanacag atgggactga tgtcatctcg	780
agctctttca ttttgttttt gaaccgtttg atttattttg gaagcggang catttggttt	840
ttgaaaaaaaa cgtgggtcntt gtaggttgnc taaaaaataa aaccgcantt taactcaaaa	900
aaaaaaaaaaa aaaaaanttc gngggggggg ccgntcccc aatnnccct ttttnngng	960
gnnnnntntt ttatnnnnnn nnnnnnnnnn nnc	993

<210> 1504
 <211> 1020
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1020)
 <223> n is a, c, g, or t

<400> 1504	
ncctatnngg agnnncatnn cagtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcn gncccgaggc ttaatcagtg gtgggaagaa cggcttcaga actgtttgtc	120
tcaattggcc atttaagttt aatagtaaaa nactggttaa tgataacaat gcntcgtaaa	180
accttcanaa ggaaaggana atgtttttgt ggaccatatg ttttgngngt ggcagtttaa	240
gttattagtt tttaaaatca gtncttttta atgaaancaa cttgaccaa aatctgtcac	300
anaatttgaa acccattaaa aaaaaaaaaa aaaaacnngg gggggggccc nggccccnat	360
tnccccntat ngggngnntn ttnacannnn nnnnnnnnnn nntnnnnnn ncntntnnnn	420

ntnnntctn ncnncncnn ncnncncnn ncnncnann tcnncnttc nnnnnnnnn	480
nnnnntcn nncnttttc nnnncncnn nnnnnnttc cnnntctnt nntcnncn	540
ntnccnnt nacctntcn nnnntcnnn nctctnann nntntnnnn ccnnncn	600
nctntnnng ncnannnnn ttncnnnnn cnnnnntnc tnnntnccc ttncncnn	660
ttntntcc nnnncnnt ntntntnt ncnncncnc nntccntcn nntntntnn	720
nnntnccn nntntcnan nntntcnnt tcnnnncn ncnntnnnn ttcnncnt	780
tnnnntcn nnnnnccn nctcntnn nntcnttn cttntnnnn ntnnnnnt	840
cnnncctc ncnncacn nctttntnt annnnntc cnnntntt nntntctn	900
nnntnnntn ntncnnnn nttacctn ctcnnnnnt ntctntnn nnnntntn	960
ncnnnnnn ccntntccn nntnncttc tntntnnnn nntcnnnnn ntntccn	1020

<210> 1505
 <211> 1414
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1414)
 <223> n is a, c, g, or t

<400> 1505	
tcgngntagg gnggatngc ncnatngcc tctnttacc antcgnagc ntaatngga	60
gnctncaccn cagtggcagg cacgctgctn gnancnagt ngtnctcaa ncggtcatgc	120
nctaaatgnc cgctcgagg catttttnt ctntntnac tnggcgntat nctgntccg	180
ngcngngag gccncacct gnagaagcan cngtnntgn tctnatcaga actttnanta	240
nnccggctgt nctgnacnan nttacactng cngtgntact gcnantntnn ggcattntn	300
gantcgtcnc annctaagg atagaangnc gngtcgtat tantgtcnt gttaatggac	360
naagtncgn cnnagggant acncggctt angggcnggt tggannctna ancctngnt	420
nnantgntn ggcncnate cnntgtatn gnntccnta gtntncntcn nngntttct	480
tgnaantgn gcnatctac tnagtcggc cngggnggat anctntntna nctgtttacg	540
ctctngacn ccgnnnnntg tcaaagttt ggantgcctn ntactccan ncangatng	600
cgnntnnacc ncccaantnt nngtaggna cccancnng agcactntt tntncntaa	660
nnntcaccnc gcncngnc aggtntntn nnanangnt ggnncnna cntnacagt	720

gatnctnaca tctgtcncca ctnccttgann ntgnncnttt gtnccgggna gnttnacnch	780
tgnggggntn aaaggnatnt tncntaccac ntgnntntct ggantggcgc ncnttacaaa	840
tctggnagtn ncgcttgngg nnaccnccag gggnaaantt nnnnnngntt gngnntnant	900
nggnaangcn cnttcncatn tnncccccg n ataccnntt tactntttcn ttttacttat	960
aantttntac tncatgann ttcaccnngn nctagcaatn anaatagngc ntanntntca	1020
ggngcnaccn gccnntgggt cgantctntc annatatgc tannantata tntcngcana	1080
nncttctngc ggaaacntat cggcgcgnnt nannntgta tctncntnnn canataactc	1140
tnagttgcng tgcngngtnn tggtanncta natnnncngt gtaaatnnch gncantccn	1200
ntggtncctg anggtcttng agtacaacta ntgcnnngt tngcttggac gttctcnch	1260
tannnctgta gnanaanntc gcagntantn nttnanacnn gtataganaa ttactcncat	1320
tatcgntna nnnatngana ttingtngtnc gtctnnntan attcgangan tnttgangan	1380
ttntntnata natagacgat agngtnanga gtcn	1414

<210> 1506
 <211> 987
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(987)
 <223> n is a, c, g, or t

<400> 1506	
ncaaaanctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaantt cggcacgagg cctggagcat gaagcccga actgcatgaa ccgctcaaaa	120
caggcttca cgtgctctgt gtgccaggaa acgttccgcc gnaggatgga nntgcggng	180
cncntggngt ccnanncggt gnaaanncct tacaagnnt cntcntgttc cnannantta	240
ntncaaaaaa nggacnngca aannccnnntn atnaacttgn ncgnaccccc nancccatn	300
nctngnccaa cngnncnch ngnnttctng tccngancgn acttgnactn gccaagggtt	360
naancacnt gngggagaaa tgtttggtg ccaagagatg cgcggcacac ngcatctagc	420
cccgnatgtg gnttggnata tgcattctag gccagcaca cagagacgag agnggcatan	480
actgtgtgag anttttngan acncctttc acanaaagg cntatctaaa tgtgcntgtg	540
cacacgcaca ngggagaaaa nctttnacng gncnntntt gggaaaagat tttgcaccaa	600
nanagagttg tggaaaaaca cacgcgccn cacnggcgag aagacctttt tcatgtgaga	660

tttgtgagaa cgctttttcan aaaaagnggg ccttcttcat gaaatgttgt ccancncccc	720
cnccaacaag gnggngcccc cncctntttt agnanaatgt tgggaagaaa ctttttanat	780
tgggtggagga aacttcttcn tccncctnaa ngaaanaaaa caacgggggg ggangnaagg	840
aaccnncngg ccccncaatt gatgggttac naannnannc ccccgccngg ggccccccct	900
tcctgggggg ggggcnnnga nganacattc ccccgggcng gggggnaaaa aaaaaccncc	960
cnnnngggnn aannnttntt tnaattt	987

<210> 1507
 <211> 987
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(987)
 <223> n is a, c, g, or t

<400> 1507	
ncaaaanctg gagctccacc gcggtggcgg ccgctctaga actagtggat ccccggggct	60
gcaggaantt cggcacgagg cctggagcat gaagcccgga actgcatgaa ccgctcaaaa	120
caggtcttca cgtgctctgt gtgccaggaa acgttccgcc gnaggatgga nntgcggng	180
cncntggngt ccnanncgga gnaaanncct tacaagnnt cntcntgttc cnannantta	240
ntncaaaaaa nggacnngca aancnnntn atnaacttgn ncnaccccc nanccccatn	300
nctngnccaa cnnngnncan ngntttctng tccngancgn acttgnactn gccaaagggtt	360
naancacnt gngggagaaa tgtttgtgtg ccaagagatg cgcggcacac ngcatctagc	420
cccgnatgtg gnttggnata tgcattctag gccagcaca cagagacgag agnggcatan	480
actgtgtgag anttttngan acncnctttc acanaaaggg cntatctaaa tgtgcntgtg	540
cacacgcaca ngggagaaaa nctttnacng gnccnnttnt gggaaaagat tttgcaccaa	600
nanagagttg tggaaaaaca cgcgcgccn cacnggcgag aagacctttt tcatgtgaga	660
tttgtgagaa cgctttttcan aaaaagnggg ccttcttcat gaaatgttgt ccancncccc	720
cnccaacaag gnggngcccc cncctntttt agnanaatgt tgggaagaaa ctttttanat	780
tgggtggagga aacttcttcn tccncctnaa ngaaanaaaa caacgggggg ggangnaagg	840
aaccnncngg ccccncaatt gatgggttac naannnannc ccccgccngg ggccccccct	900
tcctgggggg ggggcnnnga nganacattc ccccgggcng gggggnaaaa aaaaaccncc	960

cnnnnngggnn aanntttntt tnaattt

987

<210> 1508

<211> 985

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(985)

<223> n is a, c, g, or t

<400> 1508

ttnanaaaag ctggagctcc accgcggttg cggccgtctt agaactagtg gatcccccg	60
gctgcaggtt acaccccacc ccccaacata aggacaagtc agtttgtcag tagcttcctc	120
tggcttgaac cccctcgatt tttatagccc acttaaccat gcataacaga caagtcccat	180
atttgtcagt agatgccttt tttttttttn ccccccnng nttaancctt aagggncnaa	240
ncnnaaaaaa aaaagncgna nccgnttann aaaccnactt agggccttgg aattnaactt	300
tggcnctggg antaacttac cttttnagnn ccaaanggcc cccgggagcc tccccaaanc	360
ctttgncccg gggagggggn gggggggggg gcatntaaaa anaaganntc ccttcattgg	420
gaaaaaaatn ggcccttttn ttaatttaaa tttnccaaan attttctttt tccctttncg	480
ngggngcccc caacccccct ttgggaaaat tggtgccaaa attgggtttt tggggaaacc	540
tgntttgana ttnaaaacct tttttttttc ccacccgaac ctttggggaa anaaatttgc	600
ccggggttcg gggaggggnc caagaaagga aaactgccaa aaccgggnan aaaaattggg	660
aaanaaaagg ggaccttttg gaanaaaaaat tttttttttt tttaaagggg gggggaangg	720
ggaaacttaa angggccttt tnaaaaaatt tgtttttggg ggcaaaaann ccccccntt	780
tttttttggg gaactttttt aaaaaannnc cccccnaaa ngggnagnaa aaggntttta	840
aaaaaaaaa acttntnggg gggggggaac nnnaaaaggg ggtttttttt tccccanaa	900
aaanattttt ggggnaaaaa aaaatttttt ttgggnaaaa aaancnttna anggggggtt	960
gggnnnnaaa aaaaacccgg ggggt	985

<210> 1509
 <211> 1054
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1054)
 <223> n is a, c, g, or t

<400> 1509
 ttgganacca ctggactcca ccgcggtggc ggccgctcta gaactagtgg atcncccggg 60
 ctgcagggtta aggaagtcag cacctacatt aagaaaattg gctacaaccc cgacacggta 120
 gcatttgtgc caatttctgg ctggaatggt gacaacatgc tanaaccaag tgctaatatg 180
 ccatggttca agggatggaa agtcacacgc natgnctggc nttncnannn gaancncnnt 240
 gcttgaacct ntngattgct ttatggcagn aactggcccn atnnacaaac cnttntgttt 300
 gcntctccag gattnctata aatttggttg gnatnggnac tgnncttgtg gttctgngtn 360
 taganatggt gttttnaaan ctggcatggt nggncacctt tngctccaan aactgtanca 420
 nctgnagctg aaagntttta ngaantgcnc catgaaaaca ntgagtganc cccttggntg 480
 tggactatgt ntntcttata ntgngnaaaa aacgngnnnt ttcaacanat ggnccgaant 540
 nnnnannntt tgcttntna tcnagaaaaa nttatncanc ccnntngnaa cctngnttgn 600
 cttcnnngnn tttagcggnt tatttntgaa accattnttt gggcnatttt anntggntgg 660
 tttnnttccc ccctagnngt tgggantngn cactacnngc ttncattcn cnttnnaatg 720
 ttntgnnttg agnttnaagn ataaanaatt gantccnttt ttntnngna aaaacagant 780
 ttgaaagaaa tgggccttat nttnctntnn aaanctngnt ngacaccnc ccttntctc 840
 ttntnttgn tctngtgat ntccnactt cntcnnngng catnannttt cnttntctt 900
 ntncntccc gtgnnncctc nntnntctat nntgacctcc tcnattggaa actacnctct 960
 tacnntcttn ttattagcnc tattatnagt nttgtgtcta ntntctancg cgtttttgag 1020
 attactngna atttcttnc nnactnnttg tcct 1054

<210> 1510
 <211> 941
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(941)
 <223> n is a, c, g, or t

<400> 1510
 caaaagctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaaaaaa gtcagaagta gcagtgccac catggggttga tagtaatgat gaagaaacaa 120
 ttcaacaaca aatcttggcc ctgtcagctg acaagaggaa cttccttcgt gaccctccag 180
 ccgggggtgca gtttaacttt gactttgatc agatgtatcc cgtcgcactg gtcatgctcc 240
 aagaggatga gctcctgagc aggatgagat ttgacctgtt tcctaaactt gtgaaggaag 300
 acgtgttttg gaggaactac ttctaccgtg tctccctaata taagcagtcg gcccagctca 360
 cagccctggc agcccagcag caggctgctg ggaaggaggaa gaagaaccac ggcagacaga 420
 atgagttgcc gctgacagag gcagtacggc ccaaaacacc acctgtcgta atcaaacttc 480
 agcttaaaac tcaagaggac gaagaggaga tttctaccag cccatgtgtt tctgagtttg 540
 tcagtgatgc cttcgattcc tgtaacttag atcaggaggaa tctgaggaag gaaatggagc 600
 agctggtgct ggacaaaaaa gaggagggga cagtcgcact ggaagaggat tctgtagatt 660
 gggagaaaaga actacaacag gaacttcagg aatatgaagt ggtggcagaa tcagaanaaa 720
 cgagatgaaa acttgggata aggaaataga ggaaatgctt gaaggaggaa aaataaactg 780
 tttgtttcct gaaanaaaan aaanaactgn aaccttgctt ntaactggca tttaaatttn 840
 tanagttgan aactcnctga aatcaaaagg ggccaangga atttacnttt ntaaaattca 900
 aaattttttt gtttttnagc ctgnaacntt gccttttttt n 941

<210> 1511
 <211> 931
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(931)
 <223> n is a, c, g, or t

<400> 1511
 tttnnnaaag ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atccccggg 60

ctgcaggaat tcggcacgag gccgagcgcc gctctggccg cactgcgctc gccctgagct	120
ccgggctcct gctaagccag cgccgctgtc gctccctcc agtcgccatc atgatcatct	180
accgggacct cattagccat gacgagatgt tctcccgaca tctacaagat ccgggaggtc	240
gcggacgggc tgtgtctgga ggtggagggg aagatgggtca gtaggacaga gggtaacatc	300
gatgactcgc tcattgggtg aaatgcctcc gctgaaggcc ccgagggcga aggtaccgaa	360
agcacagtaa tcaactggtg cgatattgtc atgaaccatc acttgcagga aaccagcttc	420
acaaaagaan cctacaagaa gtacatcaaa gattacntga agtcaatcaa agggaaactt	480
gaagaacaga gaccagaaag agtaaacct tttatgacag gggctgcaga acaaatcaag	540
cacatccttg ctaatttcaa aaactatcag ttctttattg gtgaaaacat gaatccanat	600
ggcatggntg ctcttgcttg gactaccgng aggatggggg aaccccatat atgaattttt	660
tttaaggatg gttaaaaaat gggaaaaatg ttaaccaaag ttggcagtta cttttggatc	720
aatcacctgt cggcataact gggctggggt actggttttt attcccccca acaccngga	780
cttaaaacag aanggggaact ggatgncant ntncaagcct ntttantttg nttttgaaac	840
gttgaattta ttttgggagc gggngggcnt ttggtttttt ganaaaaaac ggggtcatng	900
ganggttggg cttaaaaaaa aaaaaccct t	931

<210> 1512
 <211> 1056
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1056)
 <223> n is a, c, g, or t

<400> 1512	
cctatctgga gctncancnc agtggcggcc gctctagaac tagtggatcc cccgggctgc	60
aggaattcng cacnaggtgt anncnggccn ccnttcagcn catgtgccnn ccggnantgg	120
ncatctcctg actccatgat tgcattgctg ctattacatg ncccctgtga ggnagtcaen	180
acctctnaca cngctaacag actngangat gaggccntnn gccacttta cctgannttg	240
tgntcngncn tngagtagna accacatgcc caatgnntca tagccctggc tannagaaca	300
ngnacgacct gngccaanan aggacctttt ctnacgtgat ntnaggaggg cagggnntcg	360
anactttcta tatntatag cacttgtnn gttgcctctg ctacactnac ngaatatnaa	420
aantnnatcn gtgngagnga aagtcngctc gnatngnatt cnttgattga tcangtnatt	480

tgggctncat cccttgnaan taangagctg tgctatcntt gtnchnactgt ntttacanac	540
nnaatanchna tctgttnnnc cggnatgccn gcattatttt tgaatnaaan ctntnnttnn	600
canntngntg gatccngact ncnngcggnnc gaaccnnntt gnantngctn taatgcggga	660
ntgtnttagc caaaaantnc gggnttnant cntctttatt tcttnnaccg cttnggancc	720
tngttgcctc tatggctntt tgnntgncaa cnncaacnac atnacctntt ttnttacntn	780
tccgngacnc ctttnnnnag attnaccctn gtncctcngnn aanntaatt tcatncnaat	840
ttnttccctt tgaagcctt nttttgcnac cccctttggn anggcnnntn gnttncncn	900
ngaaaatggn angtcnntcn ggacccccaa aataactaaaa aaantggtgt gnactgtttc	960
tatctaactn ntacagnatc cctttttgag angcgnnnac cggcaannnn gntcncnct	1020
tttatgaacn ntggattntt ttggcnntta ntggct	1056

<210> 1513
 <211> 990
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(990)
 <223> n is a, c, g, or t

<400> 1513	
ncctatnngg agnnnnnatnn cagtggcggc cgctctagaa ctagtggatc ccccgggctt	60
gcaggaattt cggnnccgagg gccgggcctc tcagaaacat cacatatcac tngcaagaat	120
agcattgcat acatggatca tgccagnngn antgtaaana angccttgaa nctgangggg	180
tcaaangaag gtgaattcaa ggntgangga antancaaat tcccntnccc agttntggag	240
gatggtngcc caaaacacac tggggaangg ggcaaaacag nnttccagta tcaaacnccc	300
aaggccgtca aactacctat tgnaaatatt gcnccctatg atatcggggg cctgancaaa	360
aattnggggn gnacnttgcc ctntttgntt tttataancc aaactntatc caaagtccca	420
naaaaagctt cacacnccat atgncccttn tgctcnaatc ntggccccag nacaagtgc	480
caagtnccag ttnttttttc cctganatcg aggggtctcaa aggccaagag ggcttccctg	540
ngggctgnca tctgntgact ctgaacagnng tggagagatg gctgttaaag atctcacgcc	600
annctggccc cntctggacg cctntctgaa gaacccccac angacatggc gcggttctgc	660
gcgaanacca ngnccttatga atgtcccgcn ccccnngnccg tgaangancc cccccacaag	720

aaanctgttg ganngcgaaa aaanccctgn tgtnttttnn natccccaaa attntttttt	780
ccccccanaa ccnccggtng cntnnggggg gngggatttn cttcttccta aannnncccc	840
ttgnttttaa nacnannccn nggccccggt ttttttnnnc cgancnaann nccanggggt	900
tggggtnnna aaaaaaaaaac ccnnccccnn nanggggngn ctnggggncc cattcttttt	960
nnccccnnnn aaaaagaaaa ggntccncct	990

<210> 1514
 <211> 933
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(933)
 <223> n is a, c, g, or t

<400> 1514	
gccctanctg gagctncacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggggtcaa catgactgac aatgatctta tcaatattct tgaccctttt tatcatcttt	120
caactaaaag tttcaaaaca caacttttat cacaatccag aactgacacc aacaaaaata	180
ttaaaacnaa acnccccctg ggaaacaaaa tgaacgaaaa tttatttacc tcttttatta	240
cccctgnaat tttaggntc cctntcgtaa cccttatcgn actattccca agcctactat	300
tccaacatc aaaccgacta gtaagcaatc gctttgnaac cctccaacaa tgaatacttc	360
aacttggatc aaaacaaata atgagtatcc acaattctaa aggacaaaca tgaacattaa	420
tattaatatc tctgatccta tttattggat caacaaacct actaggcta ttacccatt	480
cattcacacc aacaacacaa ctatcaataa acctaggcat agccatcccc ctgtgagcag	540
gagccgtaat tacaggattc cgcaataaaa ctaaagcatc acttgcccat ttcttaccac	600
aaggaacacc cactccacta atcccaatac tagtaattat tgaaactatc agccttttta	660
ttcaacctat agccctcgcc gtgcgngnga acagctanca tcactgcagg acacctatta	720
attcacctaa tcgggaggag ctacacttgc actaataagc cattagcact acaaccagct	780
cttaattaca ttcaccattc taatcctact aaccaattct agagggtgca gtagcttata	840
attccaaggc ctatggattc acctcttcta agtcaggncct tatntcttg cttggacaac	900
cccctttnnn nnaaannnnn nnnnnngnnn ngc	933

<210> 1515
 <211> 964
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(964)
 <223> n is a, c, g, or t

```

<400> 1515
nnntatntgg agctncaccn cngtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggnnncna tgacnattnt gntgttntna tngtctgang cnnntntccgg ggtgnnnnnn      120
ttntntttac ttacnngtan ccngncccc cntccngtgn ngggtggcct nccccanaaa      180
tngccnattt ttnttngggg ccnaaaaggg ncannnggna taaangccan ntnnntgnca      240
ncttggnaaa aaacaaggtn nacctttnnn ccttgaangc ctggaanccn gnncccttttc      300
cnnccnccng gacnttgna aaanntggng aanacnnggn tnttaaaatn gnaatgnact      360
gcnccccntt nanngttaaa gggnggacnt aattntnngt tgtgtctcna ctttatacac      420
nccncattta taggccgggg cncntncaca aaaccccggg nacagggngn gagggccnca      480
natnccccgn gcnanantca cacactcccc cctttgnatn natgggcana tgntgtgttt      540
cctntccnng tgcgcnagtg catgtgcncn cntctntata taccntggct cnannaggtg      600
gcnnatnan aatttatnac cgtttttgna tngacaatg tngcagna nntactgctgn      660
ttatcagact gcttgtgggg gcnncaanaa tcatnttact ctngngaccc cccgangaac      720
aggggggggg ccccttctct ttnattnttc ttngggaggg cnccttntt nntttaancc      780
ncccccttc attnnnanna anttngngnc nntaanaaaa aaaaaaaaaa annngggnggg      840
gggggggggg ggggccccct tccntccctt ttttcccn nttntttta tagntgggnn      900
nanaagaann tttcntnga anaaaaanac ccnnanngg ngananaanac nntttnttt      960
tttc                                                                 964
  
```

<210> 1516
 <211> 964
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(964)
 <223> n is a, c, g, or t

```

<400> 1516
nnntatntgg agctncaccn cngtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggnnncna tgacnactnt gntgttntna tngtctgang cnntntccgg ggtgnnnnnn      120
ttntntttac ttacnngtan ccngncccc cntccngtgn ngggtggcct nccccanaaa      180
tngccnattt ttnttngggg ccnaaaaggg ncannnggna taaangccan ntnnntgnca      240
ncttggnaaa aaacaaggtn nacctttnnn ccttgaangc ctggaanccn gnncccttttc      300
cnnccncnng gacnttgna aaanntggng aanacnngn tnttaaaatn gnaatgnact      360
gcncctntt nanngttaaa gggngacnt aattntnngt tgtgtctcna ctttatacac      420
nccncattta taggccgggg cncntncaca aaaccccggg nacagggngn gagggccnca      480
natnncccg gcnanantca cacactcccc cctttgnatn natgggcana tgntgtgttt      540
cctntccnng tgcgcnagt catgtgcncn cntctntata taccntggct cnannagggt      600
gcnnatnan aatttatnac cgtttttgna tngacaatg tngcagna nntactgctgn      660
ttatcagact gcttgtgggg gcnncaanaa tcatnttact ctngngaccc cccgangaac      720
aggggggggg ccccttctct ttnattntc ttngggaggg cnccttntt nntttaancc      780
ncccccttc attnnnanna anttngngnc nntaanaaaa aaaaaaaaaa anngggnggg      840
gggggggggg ggggccccct tcntccctt ttttcccn nttntttta tagntggggn      900
nanaagaann tttcntnga anaaaaanac ccnnanngg nganananac nntttnttt      960
tttc                                                                 964
  
```

<210> 1517
 <211> 1049
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1049)
 <223> n is a, c, g, or t

```

<400> 1517
ttgaanaacn ntctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc 60
gggctgcagg aattcgncac gaggcnttan tacaggntcg gtctncttgc catnntcttg 120
ggtctgcntn anaccatta ggttnanata gancacttac acgngnntaa cctatgcenc 180
cnntatnttt nacancnnnn cntacttctn tngnccccgc tncognataa ncttttcggc 240
cttttccga gtggncagca ccttgnanct ttcnngncgg cctgngcncc ggcntnanen 300
tggatgaaa cnacggtggg ggccccctgt ttggggggca ttacaactgt ttccgttaac 360
ccaaagcctg gttgaccccc nttaagctgg anggggaatn ccnanatcca nggccgnccg 420
nccccangnn aaggganccn attaatgacc ccttnnanaa naaaatttnn ccttctttat 480
tgganaaaag gggccgggtn cctnggnncn nncanaaacc aggnTTTTtg ganaccnaan 540
tggaaacctt tcttncannn ncnangaaaa actnggcccg gaannaanat tanaannatn 600
tttnttttgn naanntnca ttaaacaacc tttccnnttg ggngntggaa aacttttggc 660
ccnccnagaa aacnttaaaa ttngnaantn nnaaactttg tgaaaaantn ntnggggnct 720
tngggggggg accttctann nanccaantt ttngggggtt naaatcccca aanncccncc 780
nanaccnttg gnaaaaaggn ntnttnana atnaaaaaaa ngnnnnnnna naaaacnttc 840
tnnnnaaacc ggggaaacnt nnnnannccc cccctnnnta aaggcctcnc ccnnnnnnnn 900
tnnnnnnttt taaaaaangn tttttttttg taaaaatnnn nnnnnnnnnn natchnnnt 960
tttnaanntt tntgaccncc tcccnngggg nttctctttc tttgncaaaa nancaccnt 1020
ccnnnggnct tnngangng ncnttttct 1049

```

<210> 1518
 <211> 968
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(968)
 <223> n is a, c, g, or t

<400> 1518
 ttnaacaana gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcaggt taaggaagtc agcacctatt taagaaaatt ggctacaacc ccgacacagt 120
 agcatttgtg ccaatttctg gctggaatgg tgacaacatg ctagaaccaa gtgctaatat 180
 gccatgggtc aagggatgga aagtcacccg taaggacggc aatgccagtg gaaccaccct 240
 gcttgaagct ctggattgca ttctgccacc aactcgccca actgacaaac ccttgcgttt 300
 gcctctccag gatgtctata aaattgggtg tattggtact gtccctgtgg gtcgtgtgga 360
 gactggtgtt ctcaaacctg gcatgggtgg tcacctttgc tccagtcaat gtaacaactg 420
 aagtgaagtc tgtagaaatg caccatgaag cattgagtga agcccttcct ggggacaatg 480
 tggctttaat gtcaaaaacg tgtctgtcaa agatgtccgt cgtggcaatg tggctggtga 540
 cagcaaaaat gatccacca tggaagctgc tgcttcacag ctcaagtgat tttttgaac 600
 catccaggcc aaatcaagtg ctggatatgc acctgggctg gattgtcaca cagcttacat 660
 ttgcttgcaa gtttgcttga actgaangaa aaaaattgga tcgtcgntct ggggaaaaaa 720
 ctggnaanaa ggnccctaaa attnttgaaa tctgngnacn cttgccatcg ntggaaatgg 780
 gtnccctggc aancccttg gngggcnaaa aacttttttt taantatncc tccccttggg 840
 nccggttttt gcttggggccg ggaaattgaa aaaaaaaaaa ncnnttgggg gggnggnaat 900
 nnaaanncn nngggacaaa aaaaggcnan nttggaaact tggcnaaggg cccccaaant 960
 tttgccca . 968

<210> 1519
 <211> 970
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(970)
 <223> n is a, c, g, or t

```

<400> 1519
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc      60
aggttaagga agtcagcacc tatattaaga aaattggcta caaccccgac acagtagcat      120
ttgtgccaat ttctggctgg aatggtgaca acatgctaga accaagtgct aatatgccat      180
ggttcaaggg atggaaagtc acccgtaagg acggcaatgc cagtggaacc accctgcttg      240
aagctctgga ttgcattctg ccaccaactc gcccaactga caaaccttg cgtttgcttc      300
tccaggatgt ctataaaatt ggtgggtattg gtactgtccc tgtgggtcgt gtggagactg      360
gtgtttctcaa acctggcatg gtggtcacct ttgctccagt caatgtaaca actgaagtga      420
agtctgtaga aatgcaccat gaagcattga gtgaagccct tcctggggac aatgtgggct      480
ttaatgtcaa aaacgtgtct gtcaaagatg tccgtcgtgg caatgtggct ggtgacagca      540
aaaatgatcc acccatggaa gctgctggct ttcacagctc angtgattat tttgaaccat      600
ccaggccaaa tcagngctgg atatgcacct gtgctggatt gtcacacagc tcacattgct      660
tgcaagtttg ctgaactgaa gganaaaaat tgatcgtcgt tctgggaaaa agcctggaan      720
atggncccta aatttnttga aaattggggg acccctgcca tcgttgata tgggtcctgg      780
gcaaagcccc attgtgggtc gnaaagcntt nttttgaatt atnccccccc ctngggcccg      840
tttttggttg ggcgtgaaaa tggaaaaana aaaaanntnc nttttngggt gtctttaaaa      900
accgggggga aaaaaaagg canctttggg accttggnaa aggnncnccc aaattttgnc      960
ccaaaaaaan                                     970
  
```

```

<210> 1520
<211> 921
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(921)
<223> n is a, c, g, or t

<400> 1520
ttnancaaaa ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcggcacgag gccgangtcn nacgcgcgag gctgctctgc cgccgctgan 120
atgcgtnacg ttgcctccta cttgtnggcc gccctcnggg gcnactcctc ccncanngcc 180
aaggacatna aaaagatcct ggacagtgtg ggcatctagg cagacgacga tcggctcaac 240
anggnecatca nngagctcca cggaagaac atcnagggac gtcattgctc anggtatcgg 300
caagctggcc agtgtgccgg ctggtggggc tgtggccgct tncgntgccc caggatcggc 360
agcaccgct gngggtinctg ntccagccgc agcagangan aaganngang agaanaagga 420
ananccggag gagtgagatg atnacangg nttcggctng ttgactana gtcccgtcc 480
tctgcacana aaacntttt tatgtaggan acttattaca nnannnnntt ggggggggnc 540
ccaaccnnc cattacnta ttggnctgtt ttanaaann cnnnnanncc nnnnngtggg 600
ngnccnnttn ccaantcann nccnaanggg gatgnnttn nccnnnnnn ngnnntttt 660
nnnnangnng nnnnnnnnn ngnnnnnnng nnnnnnnnn nnnnnnnnt nnnnnnnng 720
ggnnnnccnn nnnnnnnnn nnnnnntnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 780
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 840
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 900
nnnnnnnnnn nnnnnnnnn n
921

```

```

<210> 1521
<211> 998
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(998)
<223> n is a, c, g, or t

<400> 1521
ncaananctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct 60

```

```

gcaggaattc ggcacgaggg tcatgcaggc cctgctgggc ccgcagtccc tgccctcggac 120
caaggaggag aagcacaagc cagcccccca ggaggactcg gtagctgcca gcaagcaagc 180
ttccccagcc cccaacatca gcagcggctc ccagaccccc cggcggaaaa agtcgccgtg 240
atctgtcagc cacatgtcct tagaggggtca gggtcgcgct tgccctctggc tctctgccac 300
aggagggccc agccgccgtg ccttagccag ctgccatgca gacgcaggtc aggggtgctgg 360
cctgtggggg gcgccagccc ttctgcttca agggcatccc cccacccccca ccacgtccgg 420
tcccaggaca ccctctgacc tgctcgacgg ccaggaggc ccatgtgtga cctggcaatc 480
ggggaccctt gctctctgcc cccacggcag gggtcggagt ctgagcccca accccggctc 540
ctgcacacgg ggtggaggta ggggtgggatg aggctgacct gctggggaaa aggagggaag 600
acgccccaa gttctcctcta cagcagcctg tctgcgggtcc ggatccgtga accaataaag 660
gcaattgtgt ctgacaaaaa aaaaaaaaaa aaaaaaaaaa nttggggggg ggggccgggn 720
cccaattncc cctttannng gngnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnc 998

```

```

<210> 1522
<211> 1004
<212> DNA
<213> Bovine

```

```

<220>
<221> misc_feature
<222> (1)..(1004)
<223> n is a, c, g, or t

```

```

<400> 1522
nnnanctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgg 60
cagggaaaag gtngaagatc tccagcccga attcatagag attggtaatc aaccanaggt 120
tcacgagcag acatttgact gcttacctat ccagacattc tctggtctcc ctaaactctga 180
accacacca tggatgattt tgaacgtcgc anagaactca gaaggcaaaa gcgagaagag 240
atgcgtctgg aagcagaaag aatcgcctac cancggaatg acgatgacga ggaagaggcc 300
gcccgggaac ggcgccgccg cgcccgacag gaaaggctgc ggcagaagca anaggaagaa 360
gccttggggc aggtgaccga ccagggtggag gtcaacaccc anaacagtgt gcctgacgag 420

```


gaggtcaaga caaccacgac caacactcag gcggaggggcg atgatgaagc ttgctctnct	480
ggancnactg gctcggcggg aggaaagacg ccaaaagcgc ctccaggaac cctggacgac	540
agaaggagtt tgaccacaaa taacagatgc cagtttgtcn ctctncacan aagaatgcca	600
aaccacncca cagacaatga aacngcggaa aaggaaggaa naantgaaag tcccnggaaa	660
aggcaggacc tggaagnaaa ccganatact cccccngtcn cccacaaaa atggattggg	720
atggaacccg gnanaaaaaa nnnnnnnncc gnnntcttt ttnnncnnnn nannnnnnnn	780
ncttgggggg ggggggccc naccnnt tcnttttttt ttnnnggggn nnnnnnnnn	840
nannnnnnnn nnnnnnnnn nnnnnnnngn nnnnnnnnn nnnnnnnnn nnnnnnnnn	900
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn	960
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnc	1004

<210> 1523
 <211> 1350
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1350)
 <223> n is a, c, g, or t

<400> 1523	
nnccccgcg ncntagtent tntcactcnn nnnnaccnch nttnnagccc ctatagtgga	60
ggttcgtatt ncntgggcag gncgctctag aactagtggg tcccccgggc tgcaggcntt	120
tctcnnccca ngnttttttn tttttttcct nctntgctct ccnngncnnt tacctcnggg	180
ggcctncccg ctencncntt ctttgttcca cactttntng ctacgcntcn gncngntcnn	240
nnctcgcnng cctgccnct ccccgtnnc cttgntntn atactnntn tanttgtten	300
ccncncgccc ncttctctgc tcttctntac tttcnttnac gaccnnccct ccngntctna	360
ntcgtncttn ngcnngnnn gncctctnng nttttctnct ncnttcncgt gtngtncccn	420
atcctcctg ggctcttnt ctngccgnc cgcaganna ccnntnnann ctncnnttn	480
cccgggccc ccnncngtc tctcttcna annttcngcg ggnctcgnnt ngnggtcgat	540
nngcctcnn ntctncgntg tengctctn ncgttntgng ncctncntn ngccgccc	600
gcnncctncc nntgccacc cntngacnn ccnctgnnn tntcctnctn tncggttnct	660
angtntnnc cctatctncg ggnnnttna ttntnncng cncnncnnng nngctccna	720

nnetgcgtgg ntencgncgt ntccccgna ttttgnengn ntntnccccn ctntanggnt	780
nntcgggcct nccactnatt ttctnttcnn ntngttnncat nncntntccc cccctacnnc	840
nnactnntng cccntccctc cgggtncctc tttnaaannc tntactnttn cncctctctt	900
ncctccttcc nnetccccct ctactctctc cganttagtt tatnccctcn tngactntt	960
ctgctcnnnn ncttgnnat nctttgnttn ttctgactga cangcccgna gctttgtttc	1020
atttngcct ntatnattcn nctcgtgnnn tcanccgncc tntctcatct gctnntncgc	1080
ctanctcgtg nctatnctc ccaactcnanc cctactctt ccctnctgtt atccccgnnc	1140
tagtccccgna cttattgnct tcntttcctn tncctnntt cancgtnncn natcncttnc	1200
ttctntntna cncagtcctc tntactgtc tcntnccctca gntcctntnc attentcggn	1260
gtntcctctt cncctttggn tacatccttn tgcnccctncc gngcncatng cctcnttctn	1320
tantntcct gctgactata ncccccccg	1350

<210> 1524
 <211> 984
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(984)
 <223> n is a, c, g, or t

<400> 1524	
gcctatanng agnngnatta cagtggcggc cgctctagaa ctagtggatc ccccgggctg	60
naggaanttc ggcacgaggg tcagagccag gtccattttt taaaagggnag ctggcngctg	120
taatnacaaa ncnttttnan ggaaanggna cctaaaaantn ncttnnnccct tgntngtggn	180
ttttnttnaa aacnttnacc nttnaagggg naannnangg nnnnanaang ggnctttnnc	240
ngttggggnnn ataacnnnac ataantgaac cctngngcnc nnganccaat gnaacngggn	300
gccanccncc tngacacacc ggaagaagcn tnaactngag acacccggag agaaccctta	360
cctgcgcagg gacntataga tntgtntgca caganattta tanaagagan ctngaggggg	420
ganataanta aaangcgtgg ctncatgcn gngctntaag atngggactc ncnatctgat	480
nccncaggga gctctatatn gcnnccactn tncacgtgtg nttnncaanc ctctatatgt	540
nccntancc ncgcgcctcn tnatcaatnc acacaatggc atttttgtgg gggcaaattg	600
ttntttanaa ataantctc cacacccac cccatatat taggtggaat aataatctcn	660
aggtggtgcc cctttttccc ctngtngccc cccananaag gaggaagata nnataattgg	720

gnctnggaat nanccatccc cctgaacntc ctggtttttc cncnaaanaa ctaccactt	780
ggnggaangt tggcaagcct tccccttnnn ttnccttgctg gtnnaaccct ggccgttgcc	840
cnnccaacct tatttttctt ccccccaaaa gaaacttgan ttganccttt gtttgngngg	900
gccngggggn cngnaataaa aaacccaacc cntttcttnt ttttccaccc ncccccttn	960
aangggaaaa agngcntcc ntcc	984

<210> 1525
 <211> 984
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(984)
 <223> n is a, c, g, or t

<400> 1525	
gcctatanng agnngnatta cagtggcggc cgctctagaa ctagtggtac ccccggtctg	60
naggaanttc ggcacgaggg tcagagccag gtccattttt taaaaggngag ctggcngctg	120
taatnacaaa ncnttttnan ggaaanggna cctaaaantn ncttnnnctt tgntngtggn	180
ttttnttnaa aacnttnacc nttnaagggg naannnangg nnnnanaang ggncttnnc	240
ngttggggnn ataacnnnac ataantgaac cctngngcnc nnganccaat gnaacngggg	300
gccanccncc tnangacacc ggaagaagcn tnaactngag acaccggag agaaccctta	360
cctgcgcagg gacntataga tntgtntgca caganattta tanaagagan ctngagggg	420
ganataanta aaangcgtgg ctencatgcn gngctntaag atngggactc ncnatctgat	480
nccncaggga gctctatatn gcnnccactn tncacgtgtg nttnncaanc ctctatatgt	540
nccntancc ncgcgcctcn tnatcaatnc acacaatggc atttttgtgg gggcaaattg	600
ttntttanaa ataanntctc cacacccac ccccatatat taggtggaat aataatctcn	660
aggtggtgcc cttttttccc ctngtngccc cccananaag gaggaagata nnataattgg	720
gnctnggaat nanccatccc cctgaacntc ctggtttttc cncnaaanaa ctaccactt	780
ggnggaangt tggcaagcct tccccttnnn ttnccttgctg gtnnaaccct ggccgttgcc	840
cnnccaacct tatttttctt ccccccaaaa gaaacttgan ttganccttt gtttgngngg	900
gccngggggn cngnaataaa aaacccaacc cntttcttnt ttttccaccc ncccccttn	960
aangggaaaa agngcntcc ntcc	984

<210> 1526
 <211> 1000
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1000)
 <223> n is a, c, g, or t

<400> 1526
 ttnanaacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa tnnnncacna nganntggnc ctgannccan cncgccanng gnnnttang 120
 ggtnggcccc aaactnggng tgncaanatt ttcttaatct gancttcaaa nncctactgg 180
 gtggaagccc taangccgat atgacaaggt gccttcccct atctggaact tggactntaa 240
 cctncatacc gcntttgtnt ntncncggac cctgntggnn gacanctcna ctgacacgnt 300
 gggacnctga tggatgatngc ctgactccca aatcncctnc ccttcnctta tgnaaagtgg 360
 tggnaacaaa aaancaantt gccnggnngg ggngaggaaa ccacaangnc ctgaacnaag 420
 gaanggttcc ttgncaaggg ntggcnnaag gccgnttttg nacnttctan tagnnntnac 480
 tttnttant tcaccnggtc acttantgga ttaattaaag gcctttatnn nnctngnaac 540
 cntncggant tcattcattt cangnacngt ttaatttggn taancntata ngcatgggga 600
 ggcnnгааат aggggacnct ngggttnana naaaaagaan aaaacccaac cccccctgcc 660
 cccccctttt ttntgaatcn aaattnttca agggggaatg gngggngaaa aaacntttta 720
 ntngngcccg gcnnactttt aaatggnaaa anggggggaa cctttaanac cccccggcc 780
 cctgggggaa ancccccttt aaatcttttc ccngttggg gatnccanag gcttttttg 840
 ggctnttttg ggggggaaaa agaaaaaaaa ttnccccggg ncccttnccn ntccntttg 900
 cccgttttta aaaaangggg ccntngggcc ctttggttaa aaaatttccc ccattncntt 960
 ttnccccct aaanccatt tgngnccac ccccttgngn 1000

<210> 1527
 <211> 967
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(967)
 <223> n is a, c, g, or t

<400> 1527
 ttnanacaaa ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggnt ctnaaccaac cataaaggat tggaaccctt natctactat tngngccttg 120
 ggccggtata gnangaacag ntctnngcct tctaantcgc gctgaannag gccaaacccgg 180
 aactggtgct cgnagacgac caaatctaca acgtagatgt gaaccgcaca cgcatTTTgca 240
 ataatcntct tcatagtaat accaatcata attggaggat tcgggtaact gacttgTTcc 300
 cctaataatt ggngctcccg atntagcatt tccncgaata aataatataa gcttctgact 360
 cctccctncn tcattcctac tactcntcnc atcctctata gnngaagctg gggcaggaac 420
 aggctgaacc gtgtaccctc ccttagcagg caacctancc catgcaggag cttanagtag 480
 anntaaccat tttctcttta cacttagcag gagtttcctc aattntanga gccatcaact 540
 tcatnacaac aattatnaac ataaagcccc ccgnaatgtc acaataccat acccctctgg 600
 tcgtatgatc cgaataatac cggngggcta ctactactct cgctncctgn attaagaagc 660
 cgggatcaca atgctattaa cagaccggaa cctaaatata acctTTTTtg aaccccggn 720
 ggagggngga nancctTTTT ntatatcaac cctttattct ggattntttg ggacncccc 780
 cgaaagncta aaatttaaan ccttaccng ggggtnggaa aaaatctnnt caaaatcggg 840
 gancctactt ccttcgggna aaaaaaanaa nccctttcng gaatttttng ggnaanaggg 900
 tnggggcttt taaagggcc aacnggaant tntaagggtt tcaatcggga ngaancccc 960
 cccattn 967

<210> 1528
<211> 985
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(985)
<223> n is a, c, g, or t

<400> 1528
tnnnnnanaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
ggctgcaggc gagntttttt tttttttttt naananannc tanttntntt tnnnaaanaa 120
angggggngg gggggnnccn atgccctgac nnanaagnaa nctcaacnng nntnnaccgn 180
atntttnttt ngctncaacn nctntccaan atgttngagn gnggganggca naaaccntga 240
tttttacttg nctccnacca aaccancntt ntttngnnc ggnnnaantn ccnagnnttt 300
nccttttccn natncangng ggggnananc cnaaaanttt tttcanaaan gggtnntttt 360
tnnnncctt nanggnnacc ccnatgngg nnnaaanggn aaanngcaan agggganccc 420
tttnntttgg tanntaangg ggggnnggnc cnnanaaaan tttcnggttt tnnnttttg 480
gaaaataaag ggnttncccc caaaaccttt aaaggggggtt tnatgggaaa attaaaaaaa 540
aaaaaaaaacc cccncctnc nnnnggaaaan aaattaaaag ttngggacca aanaagtntt 600
aaaaaacct tttttaaaaa annccggaat tttttntcc gggaaaggaa aacctttttt 660
ttttttttt taaggggaaa aanaattccn tnngggccaa aaaanttttt ttgggganggg 720
gggggggggg tttgtttttc nccnaaaaaa gtttttcccc nccncccccc cgggaccng 780
tttttttnaa aaccttnngg ggaccctttt ttttaattt tctttgggaa aaagncccg 840
ggnaaaaaac tgtttaaac nggggggnaa attcntttgg ggggaaaaaa aatgnggntt 900
tttaaccnt ttnaaaaaan gggngggggc ccaaaaaaa aaaaaanggg gngggggaaa 960
ccntttcccg ggnccccctt gggng 985

<210> 1529
<211> 946
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(946)
<223> n is a, c, g, or t

<400> 1529
tnnnnacanc tggagctccc cgcggtggcg gccgctctag aactagtgga tcccccgggc 60
tgcaggnnngg agcanagggn cccaccggcg acttcagagg gaactcattt actgttaccg 120
tgctcatctc aggaacaaaa ccatttctta gtgagataat atagtatcaa agcaacatgc 180
aaccaaaaacc ttttgacatt ttagggctag ttggtacttt ccagtagaca tgtttggtgg 240
ctggtgtcaa aagtccgtaa agcatttgct gccaaagttag tggaatgctt gcttttatta 300
aaatgactgt aatcttcctt gttacagaca agctatcatt ggaaacctcc ttttacagta 360
cagggtgctc agaaacgttt tgagtacttt gaaagcacta tatttatggt gctccaagga 420
gttgattttt ctccagggtt aaagagaatc acagcttcga aactttcatt aaaaatgaga 480
gacagaagcc acagggaataa taaagcaaat aggattttca atataaatat cagngaggaa 540
aaaatatccc agtctgttgg agttagtggt cacgcagtca agaacgtcgn ttncatttgc 600
tcanaaaatc ctttcatggg aagtttggag aaccatgaat gtcgcagact tgggtctggtg 660
gggttgact ttattatggg gggggggggg gngggttggg ggnnttaaaa taaaaccaag 720
tcatngcctt ttatttctac cttgtaattt accggangtt cccccaanct ttttaanggn 780
gggncttnnn nctggaaagg ttttttggg naaangggaa ggggaacctt caaaanggcc 840
ggaacctttt tttttttttt ctnaaagntt aantngaaaa aagggggcnt ttttttngga 900
aanaaacng gggggccccc aaaaaaangg ggnattttt ggnnca 946

<210> 1530
<211> 1444
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1444)
<223> n is a, c, g, or t

<400> 1530
agccncata gngggagncg catnacaggg ggggcggccc gttntagtaa ctaggttga 60

tcccccgggc tgccaggna atntncncgc annaggcnan tnntcaccnc gtttgntcta	120
ggaagtctnn cgnatgaatn atggtgctcn tcngccaggt gcagcntttc gancagtagn	180
ntctaccnna tgccttcatt tgccnatnan ggttcactgt ntaatngcat gcatgagcca	240
ctncgnanat attgantgta gcctncgnnc tgncttgga cccgggagta ntatttcngt	300
nncctagngc gcangnacnc ctnttncntt cgtcnaaen ccttgtnaca ngtcacgnct	360
atcannagac ncgnagntaa gnnanannng acngtgcatt nncctgtttc actcncctanc	420
nctntgannt gnnatgacnn tttnnagctc tacacgnact ccggnatatn atntcctnta	480
gngggcaacn nccntantga ncanggtctc ncaatggatg cgnacgnncc ctncntccnn	540
ttaactnttt ncatntaaac cntntggtgc cttaantant ntnacttnca tanccactcg	600
cnangtgccg ntgntnacnt tnggtngtca cattnngacn nnaanngttc ncngnantng	660
cgacatnctn ngacccannt gtaaannatc nnnntagatc tcggtcatnc ntcttcanat	720
nnancnngcg tgnatngagc nnnannacga catccattaa tntncntnga annncgggtt	780
cngnnacnt annatttgnt ntcaacgnnt nactcaannn ccnanngtga attntntnta	840
tcccccntnn gncgncgcng cgncccnca nntantcnn ntgtctnatg ccncaaantn	900
gnnnttaaan cnntntactn natcatttta tnnccctcaa ncngtcgaa cgcannacaa	960
tantctactt ananttnenn cnnngtgctg gnnatcaann aantgtcngc atngnttnnn	1020
gtgnntnaa ctngagnnca agacatcctc ttctngccgc nancntgcat cngtgngatn	1080
cangcactnn cngtgnnnct ncnggttctn tancatntc cttnatnnn nnnacagancn	1140
tcanacaaaa tntancgctt ctcantnttn natcctgtac nntnganncc ncgnntnagn	1200
ttntttctnt ananttacgn tntgtntgt tggcgancn ctncgagtcn tatnatangn	1260
tannnnanag anacanttac ntcttacnan agtntgngnc gncngnngcc taacttcttc	1320
ncacncacgt ncannatttn tcncgcnatc gtngtganga catgnnatga ggnntattna	1380
nnncntnag acnncnagnt tatctacnt atnanancta ctntntntct ctntcntatn	1440
cccc	1444

<210> 1531
<211> 980
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(980)
<223> n is a, c, g, or t

<400> 1531
ncaaaanctgg actccccgcg ggggcggccg ctctagaact agtggatccc ccgggcttgc 60
aggaatttcg gcncgaggcg gaggccgnac gatgcctggn gttactgnaa aagatgtcaa 120
ccancaggan ttcntcnnag ctctggcagc cttcctcaaa aagtccgna agctnanagt 180
ccctgaatgg ntggacaccg tcangctggc caagcataaa gaacttgctc cctacgatga 240
gaactggtn tacacacgag ctgtttccan ggtcggcacc tgtacctccg ggggtggcgct 300
ggggttggct ccatgaccaa gatctatggg gggcgccaaa ggaacggtgt catgccccagc 360
cacttcagac agaggctcca agagccgtgg cccggcgggt cctccaagcc ctggagggggc 420
tgaaaatggt ggaaaaggac caagatgggg gccgcanact gacgcctgag ggacaganan 480
atctggacag aatttgtgga cangtggcag ctgccaaaca tgaagcntta gacaaaatga 540
tgctgggtta ataaattgcc tcgttcgtaa aaaaaaaaaa aaaaaaaatt tngggngggg 600
cccgnccca attcccccta tngggagnnn nntannnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 960
nnnnnnnnnn nnnnnnnnnn 980

<210> 1532
 <211> 997
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(997)
 <223> n is a, c, g, or t

<400> 1532
 gccctatagn gagtcgtatt acagggggcg gccgctctag aactagtgga tcccccgggc 60
 tgcaggctgg ttacancatn nagtacnana agcctgggtc cctnctaaa gangtgggnc 120
 ctnggccncn ncttggtgtc acataagcta ctatnactgg gccggaaccn ngancanatt 180
 acncantcca agacattgnc cttgananca ntnaganaaa tgngnctttg atnggganga 240
 anangacnga tgaacnncnn naggtggtaa cccttgca ca cccaatctt catggaccag 300
 cagatcttgg atgtnnccct cncaggacna angaccntt tcatcanca ccctgnnnnt 360
 gacnnggaa acagnattna nntttcctt ncttggtgac ngcnnnccnn ncttggtcna 420
 naaatgatct ttgnnganca tggatttagn ccanccacnn cgaccaccan ggccncccc 480
 gtnaggnta ggcgaaaacc gtntccgccg aangnaanng atganatcca aattgnccat 540
 ntccccagng gagacntagn ccttcttctt taccctcacg ttgtgngact ccttctctan 600
 tgctttctac agggacaagn agnatttctc tcacacaacc nntctnatgn accccattc 660
 cacgaanagc ctctgagcgt atcattgtca tgttcatccc nanttaggct actgatgaaa 720
 taaccctttt nctgggttcc naaattccct tggaaacnccn cnngctatgt ggctannctn 780
 tnnacggngg nctaaccnag nagggggccc anccctncct anntttntt anganggang 840
 gcnatgtatt antnaccac cttcattggc ttgantggtt tnnccgaagn aagttgggtt 900
 ttncccgccn ggncnanntc ttgntagacc cngngggnc angnttnnt cccnactga 960
 nagaacatnc nngtntttga cccccctacc cccntc 997

<210> 1533
 <211> 963
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(963)
 <223> n is a, c, g, or t

<400> 1533
 gcctatanng agnngnatta caggnggcgg cccgctctag aactaggtgg atcccccggg 60
 ctgcaggaan ttcggcacga ggctgacact ttgtatttcc tctggcgaag agaactnggc 120
 atcttcctna aaaccctgcc cnntcggaaa nttnaaaaca aancaanncn ccnntttttn 180
 acccttnant tncnantttt aaantnaaan nnaancccn aaccttantt tcnnggnnnn 240
 cnnngctnnng gnttttaagg nccnttannc ctttttttng gncctnnncn naacntancn 300
 agaactggat gncnngacct tgggtcccang ttaacntcan ntctggngtc attanttgcc 360
 ctgccagtgg tcttataaaa ttagcagcgn cacaatctgg gagganatat atttaagngc 420
 angggganan gctcaatcat tgcgtgcgct ttannngtat gananananna tcttatcacc 480
 tntagggann agaaaagaga tgagngcgnt aatttcanaa aacctgagta nggagganat 540
 gcgccagaca acanctcgc tgnatttcnc tccctngtgg gnagaggngn taccctctc 600
 nnccagaacc ccagaagaac ctccactttt gnagaagctc tttntnccn naagancctg 660
 gctgaanaan actgccccaa accatacttc nagaatgagg antctcagtg ggggggcnaa 720
 gnactgntgg ggggcnccat cctcacaagg ngggtcnggg aagntaatgg gggncctcc 780
 nttttttnat tggatgaccn ccttaaaccn cntttggnag gnanttggga ggggaacccc 840
 nnccccagcg ggggggaaan aaanacnccg nttngttcct tggaangnct nngannnaaa 900
 aacanttgn cccncgggaa aggantngaa ngggttggga aaacctggcc tttcctttc 960
 ccc 963

<210> 1534
<211> 963
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(963)
<223> n is a, c, g, or t

<400> 1534
gcctatanng agnngnatta caggnggcgg cccgctctag aactaggtgg atcccccggg 60
ctgcaggaan ttcggcacga ggctgacact ttgtatttcc tctggcgaag agaactnngc 120
atcttcctna aaaccctgcc cnntcggaaa nttnaaaaca aancaanncn ccnntttttn 180
acccttnant tncnantttt aaantnaaan nnaanccccc aaccttantt tcnnngnnnn 240
cnnngctnnng gnttttaagg nccnttannc ctttttttng gncctnnncn naacntancn 300
agaactggat gncnngacct tgggtcccang ttaacntcan ntctggngtc attanttgcc 360
ctgccagtgg tcttataaaa ttagcagcgn cacaatctgg gagganatat atttaagngc 420
angggganan gctcaatcat tgcgtgcgct ttannngtat gananananna tcttatcacc 480
tntagggann agaaaagaga tgagngcgnt aatttcanaa aacctgagta nggagganat 540
gcgccagaca acanctcgc tgnatttcnc tccctngtgg gnagaggngn taccctctc 600
nnccagaacc ccagaagaac ctccactttt gnagaagctc tttntnccn naagancctg 660
gctgaanaan actgccc aaa accatacttc nagaatgagg antctcagtg ggggggcnaa 720
gnactgntgg ggggcnccat cctcacaagg ngggtcnggg aagntaatgg gggncctcc 780
nttttttnat tggatgaccn ccttaaaccn cntttgnag gnanttggga ggggaacccc 840
nnccccagcg ggggggaaan aaanacnccg nttngttcct tggaangnct nngannnaaa 900
aacanttgnc ccncgggaa aggantngaa ngggttgga aaacctggcc tttcctttc 960
ccc 963

<210> 1535
 <211> 970
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(970)
 <223> n is a, c, g, or t

<400> 1535
 ttgaanacan ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
 gctgcaggct angttgcntn ancatggcta aacgcaccaa ganngnnnga atcntgggcn 120
 antacgggac ccgtnatggg gcctcnctca tgaanatggg naagannatn gaaatcatcc 180
 agcacgccaa gtatacctgc tccttctgtg gcnaaaccaa gatgaaaaga atagctgtgg 240
 ncatttggcn ctgngnttcc tgcattgaaa cagtantcgn tggcgcttgg acctacan 300
 ccacctctgc cgtcacagnc aagncnnca tcanangact gaagggaactg aaggaccagn 360
 agaggcncca ccattcgata cccttgctag cctatnaaat ggggtaattt atctancng 420
 anacctttt ttccacctcg ggatgccgc ntnntgtnaa aaggggttcn cnnggnaccc 480
 ttttctttaa annntaaaac cgcnncgacc anccttnggg taaaaancan agggaaaaac 540
 cntncaaacc ggnntnttgg acctagacn anatcgngct tttggattnn tggggaacan 600
 tttccgtgng ccattttgac attcaaatnt nggttttttg tttgcaaang ccanttcnnn 660
 ncccctgggc cttgggtngg ggnaaaang ccccccntt tggcnaaaaa ntttccttgg 720
 cttaaccttt naaaangntt nttttttttt anctncaacc aaaagncccc cttgttttta 780
 annccccctc naanctnggg gnnnttgntt tggngnggtt tccnantncn gnnngaaaaa 840
 aacncnnttt anggggtttt gngngnttn ttggattgtt ttcttggggn ccaanaaan 900
 ctttttnaac ccaacnnnaa angggcccg gggngngcc cttttttggg naatnaatat 960
 taanggtnt 970

<210> 1536
<211> 959
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(959)
<223> n is a, c, g, or t

<400> 1536
naaaagctgg agctccaccg cgggtggcgg ccgctctaga actagtggat cccccgggct 60
gcagggtttt gttccttatt ttactaatga taattaacat ccaacatggc ttctcatgct 120
atttctacct cactttggtt ttggggtggt cctaataatt gtgcacacct gatttcacag 180
cttcaccacc tgtccattgt gtgaacattt tcctccattt tctttttcct ttataatttc 240
caaaagaaaa cccaaagctc taaggtaaca aatgacatga agatttgatt ttagtcttgg 300
cttttttttt ttttttnccn ttaagggnnc nnggantttt ttttttncng naaatnnggg 360
cctttntttt tttttttttt ttttaancng nnntaaaaa angggnttnn tttnttnnn 420
naaaaaaant tnaanttttt ttttaaaanc nnggggaaaa aaanggnngg gtttnggtaa 480
aanntttttg ggtnaantta anntttaaaa nnntnnntng ggggggggcc caaaaanttt 540
tnaaaaaaan cggnangctt tntngncnnn ttnanncn naatngggn attttttngn 600
gnncttttan ccccccaggg nnnaaanggg aagcnnnaag ggancngaa ncaaaacccc 660
ccccgggggn gttttnnntt tgttttaagg ggnccgggt tttaatggg gaaccnnaaa 720
aaaatnnggg ttaaaccccc ccaccnnggg acccntcccc caaanntttt ttttaaaaaa 780
ntnnnttnn ccgnggtttc cccaaaaanat tnaaannttt ccccaaaaaa annncccccc 840
naantggggn naanaaancc ggggntnngg ggggnnnccn aaaaaaann ccccccttt 900
ttnttnaaaa aaaaaaaaaa aaaaaaaann nggggggggg gggggccccg ccccttnn 959

<210> 1537
<211> 960
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(960)
<223> n is a, c, g, or t

<400> 1537
ttnnancn atctggagct ccaccgcggt ggcggccgct ctagaactag tggatcccc 60

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gggctgcagg aattcggcac gaggacggnt tgcaccaac atttacaaca aacagagttt 120
caccagaggt ttgaagagga gaatatcact gaagaatata ttttattcct gtggtgtaac 180
ctatgaaata gtatccaaca taccaaaggc aacagaggag attgaggacc gggagacgct 240
ggctctcatg gctgcaagga gttgagaatg aaggcacatc ggatggggag acgtacatcg 300
agaagtacac gcggggcggtg ctgcagggtg agaacattct gagcctggaa cgactccggc 360
aggcgctgac ggcnaaagna gcactttcca ccaaagctcg gcacctaccg cgaagcctca 420
gcacgccccaa cgttcacaaat gtctntttcca gtcgaccaga cctttctggn tttgacgatg 480
atgataaggg ttggccagag aaccagttag acatgtntga ttacagcccg agttaccagg 540
atgtatcgng ttatggaact ttgcctaggg attcacctcg aaggagtaaa gaaggatatg 600
ttgtacatta naaaatnctc ntgccttaan agtcagccct tttaaaagca tttttttctt 660
aagccaccaa agtttttttc aagncntta ttgcnttgta aaaagagggg nccttttaaaa 720
aaagggnta gnggcttgga aaccannggc ccttttttta ancccnngnn gggncntttg 780
gggggngggg gggaaaattg ttttnaaag ggtcttaaac cgggaaagct tntatanttt 840
tncccncccc ttntgtttcc ctggggggga ggtttccgct tgactttnaa annngntttnc 900
caaatggccc ggtttgggaa aaaaacaaaa aaaanngngt tttttttttt taaaanggnn 960

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<210> 1538
<211> 1525
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1525)
<223> n is a, c, g, or t

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<400> 1538
ncgngcncn cntgnctcnt tnnncntnn nnnnnntnn tnnncncnc cncnctttn 60
ntnnancctc tanccctacn ccacnnncna ncnncnaagg ggnngtncna tattnnattt 120
gcntatnttt aagccnancn ggagttcgca tnacagnngc gnnccgctct aaaactngtg 180
ntatcccccg ggctcgnagg aattgggccc caggcnatnn tnttatttct gcnttttgtt 240
tnanctgtnc cgggncntcn nnnngtnatc cnccttnnca taactnannt tntncagnac 300
cactcctngn nngtntnnna taannnnngt tctaattcct ntctcccggg cntttttctg 360
nnctcacttc attaaanntn aatacnttn gccncntnt nnntacacca ttntngcta 420
tcannnnagc annntntnn ncnacctnt atcntntnn tcntatnnnn nctnttcnt 480

```

tnntttcttaa gcagnnngtn ntantnntnt ncttntntnn nnnnngnttn ngcncntcc	540
ntanttgnaa ctacctccct ctananaantt nncnntnca tntttctcnc ntnttctatt	600
tttantttct attnnngntn tccccncct tctctttnat tnannttttn ccccccnnt	660
nacnncnct tcttctngtn ccagngggtc ccnnncantg tnttttcta acncgcttn	720
nagnnntgt nntctnttn ntngctnnn nactnnncn nngnatnng gcngctatnn	780
nnntccnnn cacncanccn ctntttncnt cgagtcttn anttanccgc ttctnntcn	840
tcnatntcta tnatntctn ntnactgnta agncngccgg tntcanngt ngantcatta	900
nntnttanca nnatcacggn ctagcnantt tttnancnc tanttgnta gtanatnnn	960
ntntttcnca tgcgcttct nctnttgnc tatctnttnc nnnngatcnc nacntccat	1020
ctctttant ngctnattn cacttanntg tgancatata ntantgacac ngtnccgggtc	1080
tatnagcttc ntatnnnanc ncnngntnn annncnctg nnnctnctg annctattn	1140
tntctttcnc annncncta tncnccttc gttcncnngn agngtgntnn cngatgctgc	1200
ncactgttct cnnntacann gntcnanttn tcttttactc ncnncnncn acncangcnn	1260
nnnnagnnccg ntnannnnn cntcatnta ctnatnnana cganaatncn ctgaccnnnc	1320
anaganatgc cttnacaccg anccagacan cgactgtcnc acgtnttgcn cnannttntt	1380
gnntacnagt nananacgct gcatagnnat tnttnanttn tntctnagat tananatcta	1440
ntgacagnna tgcctcgnat nntnntatgna anattnatnt gncganagnt tntnnnnang	1500
ctcnatnatc atntgatntt acgcc	1525

<210> 1539
 <211> 1001
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1001)
 <223> n is a, c, g, or t

<400> 1539	
nnnnactgga gctccaccgc ngtgccggcc gctctagaac tagtggtacc cccgggctgc	60
aggccggcct tcaagtgggtg gctgacaggc ctggtagtgg ggaaggggtgt cctgggttgt	120
tagagggtct ccaggctctt ctgggtgtcc ttccctccct tttccaccat gagatctatg	180
ccacacaggc cagtgtctgc agaaccctgc tttctaggtt tggtttctga nctcctgtct	240

gtacttttgc ctctccaag gttttttccc ctaaaaatcc ccatttcat gcctccccac 300
 tgtgggtctc cttgcctttc tcttgcaagt tggacagtcc tctgcctntt ggccagaccc 360
 catccatttg gactgcctaa gtcactcgag atcgaccccc acccacacgt acaaccccag 420
 tggccagagt aggcagggag aaagtgaaga gaatccagct gcctctcgag ggaagtgaga 480
 tgtgtgagag cactgtanct cccacactgt ggactctggg ccaagaaagg cgtgtganta 540
 tctggcgcan ggtgccaaca ttcttgcaag cagctgtga aatctgcac ttcccagttg 600
 gctggtactc catanccctt ggacttctgc ccccttctt ctnctgttg gtctgccctt 660
 ctcanaacag ancctttccc ttcactcctt ggcccccttg ggctgaccaa aatggtgntt 720
 ttttatggga ncccttggc ccaanaaccc tggggggcaa gaaaanactg gcatgaatgn 780
 aaaaaccgcc ntctngcttt cttgggaggc aggcttttgn gggcaaaagg aaaaagggtc 840
 ccggcctngc ctttgggna angcaattnt tnttggtng gaaggggggc ctttcgaccc 900
 ccccttgng ttgtngggnc accccccccc cngggttnt ttttttaaaa agaaaccag 960
 ggnttncnc ccccccttc cngggnanaa ggggaanctc g 1001

<210> 1540
 <211> 1030
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1030)
 <223> n is a, c, g, or t

<400> 1540
 gccctatnng gagengcatn ncagtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaatnc gncacgaggn ntgtctttan cgtncnctn gaggggggnn cngggttctc 120
 ngnaccccn anannnacac ctntngnaa tcggnntnt ccnacaanc ctgnctgncn 180
 natngnnana tntngncna anatccnac anacnanagt ttccattcn ttccttnng 240
 gannnaaga cantnaaaan nggaagcagg gngggnanna gggnnacngn ccnaaccct 300
 ngaaaanngc cttinnaaccg nggagngaaa tccntaccn tattnaacng ccngccnct 360
 cttgncaaaa accnaannat attncctng ttggtngtn aaccncaat naaanacngn 420
 atanaccgg atacanatnt acccatntng nccaccaan gccaatgggt ggctnccttt 480
 nttaccaaen cngntttcn ntggctctna anggcagtcc ggctnacntt taaagataen 540
 ggaangtga tnnngtnca tnaactnana ngannttcgn aangnnacct atgnanaana 600

aganccccc	nntttgntcc	tnnccacctn	tgggttnggt	tnnnntnanc	nntaaaggna	660
nactncnatt	tcctccggn	gantaantcn	cttacaaaa	angcnancaa	nntatttgng	720
ctacttttta	aaanaccaga	tnmntcaatt	attnagcccn	ttcttatncc	ctcttnantc	780
catannncnt	tgggggcncn	ggncctgattt	ttaaggtctt	ntnntaannn	aattaantnt	840
nnnaccncta	aggnagcccc	nccccnctn	cnanannggg	naanttcnnn	ntttnttccg	900
cngngcgngg	nncctttngt	cncactnncn	ncttnccatc	ttaanccnnt	nngngnctnc	960
tntnnnttat	cngtangagg	tcnnnggagn	tannngnacc	anccctcnn	ttnnncgang	1020
nntnnncgnc						1030

<210> 1541
 <211> 963
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(963)
 <223> n is a, c, g, or t

<400> 1541	
gcctatanng agnngnatta	caggnggcgg cccgctctag aactaggtgg atcccccggg 60
ctgcaggaan ttcggcacga	ggctgacact ttgtatttcc tctggcgaag agaactnngc 120
atcttcctna aaaccctgcc	cnntcggaaa nttnaaaaca aancaanncn ccnntttttn 180
acccttnant tncnantttt	aaantnaaan nnaancccn aaccttantt tcnnngnnnn 240
cnnngctnnng gnttttaagg	nccnttannc ctttttttng gncctnnncn naacntanch 300
agaactggat gncnngacct	tggtcccang ttaacntcan ntctggngtc attanttgcc 360
ctgccagtgg tcttataaaa	ttagcaggcn cacaatctgg gagganatat atttaagngc 420
angggganan gctcaatcat	tgcgtgcgct ttannngtat gananananna tcttatcacc 480
tntagggann agaaaagaga	tgagngcgnt aatttcanaa aacctgagta nggagganat 540
gcgccagaca acanctcgc	tgnatttcnc tccctngtgg gnagaggngn taccctctc 600
nnccagaacc ccagaagaac	ctccactttt gnagaagctc tttntnccn naagancctg 660
gctgaanaan actgccc aaa	accatacttc nagaatgagg antctcagtg ggggggcnaa 720
gnactgntgg ggggcncat	cctcacaagg ngggtcnggg aagntaatgg gggncctcc 780
nttttttnat tggatgaccn	ccttaaaccn cntttggnag gnanttgga ggggaacccc 840

nnccccagcg ggggggaaan aaanacnccg nttngttcct tggaangnct nngannnaaa	900
aacanttgnc ccncgggaa aggantngaa ngggttgga aaacctggcc tttccntttc	960
ccc	963

<210> 1542
 <211> 941
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(941)
 <223> n is a, c, g, or t

<400> 1542	
tnancaanan ctggagctcc accgcggtgg cggccgtctt agaactagtg gatcccccg	60
gctgcaggcc cgcgatctg tctcttgctt caacagtgtt tggacggaac agaccaggg	120
acgccnttg ctccancctc cgaccacnt cnancntttt ttcnagccnn ancnttngna	180
gnnagccntt nantngncng gaannncngg ancnanccnc nntttttaan ntcntnatan	240
tancnnncna nnnnnnacnt ccnaaatnng naaaantant ntncnnngg ggnnggcngc	300
ngcnaccngc ngnggtaaca nngnantggg gggccntcta acctatactt ttntttgggt	360
tntattttca cacgcgnaac natggccctg tgagaggggtg nggnacantt ttttcganaa	420
tngnccaaga gaaaagcgag agggcgcn ga gctcttnnn anngtgnaan annagngggg	480
ggggcgcnct cttntngnnn nngcncaanc cntatcaaaa agagaggggn gaaaancacg	540
agactntnnn ggcgcccttt tcnagaaaaa aaaccnagna ncaccnngtg ganatntggg	600
ngctgngtct tgncccgaga caccacacnt gtgacntctt tgggtggaaaa cctccttcta	660
tgangaaggg gagntcctca tcaagaaggg gggcnatctt annaacctcc tccggatggt	720
tggtgccnc catggtgngg nngaggaant tttntttaan ngngctccc cntcnannac	780
taataaggtt cttnggaaca accggncggt canttgaaaa accccaacta aangggnggc	840
tggaaagacc ccccttttnn ggaaataagg aaggtttttt ttaaaaaacc cgggggggcn	900
ccntttnttc cnnggnnggn anngnaaagn aaaaaanntt t	941

<210> 1543
 <211> 1008
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1008)
 <223> n is a, c, g, or t

<400> 1543
 ttganaannn ctggagctcc accgcggggg cggccgctct agaactagtg gatcccccg 60
 gctgcaggaa nnnnccanga ggctnnacnc tnanangagc tttnngtgtn ctcnangtnn 120
 aacnccgcnt anctntgtga ttngcctnna cntcnntgnn cctggttntg ctnnnccnac 180
 cnccatctan nctntcnana tccnnatnat gnnatanatg anaacccgga caaagcncaa 240
 ttcgtggggc cccttaccct agcatgtcca gaacggnttt anggantgga ntacgntttt 300
 ttnnttataa acngaancn attctttacc gntttttttt gagcttagta ccnntaannc 360
 cttgccccgg cccaatnaatt aggggantnc tgnncggggn gnggcnttan cccattaanc 420
 cttttngang ttnnaanngn aatcacntct gtcnnatggg tttccgaagt ttctattact 480
 tgagccaatn ttannacaan nnaggggacn ncgaagggnn atgnttacat ggccttattn 540
 atggccatcn cctttggtna ttgttnttag ggccaataan aggcnttaaa atacacttnn 600
 aacacacttt tnnnnatanc tcncccggtt ttttccggat ntaanttttt ttttttgtgn 660
 aaaaggggnt tcccttngct ctaaaggaaa anaantgggg gncacccctt ttctaaaatg 720
 ngngagntnt cttttcgccc ncnttaaaaa attttttttt cntttttntt aancncncc 780
 ttttctctt ttaaaccnt ntggcggnga aangtnattt ttggaaaang gggnttcaca 840
 cttttccnt ttagaanaat atttgttgng gggggnnct ttttaaan gangncnccn 900
 cttttngncc cnnggntnt nngnantng ccccnccca tnnccnnt tnnactgggg 960
 gggggggggg gnttncccn tnatttnngn aaannaaata tggggcct 1008

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<210> 1544
<211> 931
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(931)
<223> n is a, c, g, or t

<400> 1544
ttgancacag ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcggcacga ggctttanat agtatttttaa aaggtaacta atgcttttga 120
cagtataaac aaaaagcaag aatataaggc ctagaaaaat tgccttcga aaatatcaat 180
gatgtaccct ggaatgtgaa gatgtcccct tatagtttaa attgatttat ttgaatattg 240
taatcactct tcagactttg aatgagtcac tacagtgtgt atctgtatat ctgtagagaa 300
aaatgacaac cgaaatgtaa ctttaaaatc aataaatttg gcactgtctg ttgcaccact 360
actgtatctt tttgaaagaa ttaacagtat tttcttattg taaaaggtaa ttctgatgat 420
tccacattca ccagacatgt attttttttt tctgtacta tttgcatccc caaatattta 480
atacaagtag gttttgcacg gcttgancnt tcagagatta acagaatgac anctcanttt 540
taattctaaa gccatgaaat gttgctttga nactgaacaa tctgaatctt atttataatg 600
acnccaata tccatgtttc cctactggaa aanacctgac agttcttgcc tacacagcaa 660
gaacttatta aatcttggaa atnccgggcc tnttttaa at tctggggang ccgggaaaca 720
aaatattttg aggggaaatt ggtntaanac aaaggcnttt gaaaaggntt tgctggcttn 780
aaacctcaa caggtagatt ntctcgaaag gcaacgattc cctgcgaaat aaatttaata 840
aaggtaaaag cccaaccctt aaaaaaaaaa aaaaaaaaaa cttggggggg ggggccccgg 900
nnccccaatt tcccccttta angggggnnn c 931

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<210> 1545
<211> 1061
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1061)
<223> n is a, c, g, or t

<400> 1545
agnnnnnnnn nggnnnnnntt nanaaagctg gagctccacc gcggtggcgg ccgctctaga 60

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actagtggat cccccgggct gcaggaattn gntnctnnnn ttntctantnc nttntataan	120
nacgcacaac ctctggnnca ttntcangnn nagnntgtaa nncgtgnctc nataaaaangc	180
nnannggant aanantanng cngcctnnct ncgtgaangc ttncatanc tattntncat	240
tacattccac atcangatat cgaaacnatt ctacannnta tnnacactag catnacatta	300
tntntattng ctttacttnc ttatacnngg aaactgnngg tttactctnt naaatattta	360
ttgtangtca ctnttancta tcnnactctt gannggtntn naacnacttn accagaacta	420
cctattgggt aangatnaca ttactgancc cacttanaac ttnaacctgn aatgntntct	480
tgcnctaaaa gtgaactgnc taanttantg aaaantacnn gtgnccccta cgcanttga	540
cnaataaaaa ccntnnttnt cttntnccca aaaanatgnn ttgncttaat ttcccacata	600
aangtttatt ttcacctcaa atanacttna aaatttnttt ctatangtnn gggncncccc	660
aatntaaac tttncocgnc ccnttaaan aaattcttnt tcnagttttt ttancctttt	720
tnccnaana atcattggng gggggcnccc tggnaacnca ctggcgntct tnttcnagc	780
actnantttn ntngcccga aacccaaatt ccntttttc cctngggann cttctgngtn	840
aaaancccc nngtttttt taagaaanct nttgncctng gctttaaaac ccntccttn	900
ccnananngg gtttggggcg tggaccaagg aaattttncc ccattanccc aaccaagg	960
tttntgggg ggaaggttcc caaaagccaa annnacncnc gggggtgngt gcccnnгаа	1020
acccccccc tngggttttn gggggnnnnn tttttcnaa n	1061

<210> 1546
 <211> 930
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(930)
 <223> n is a, c, g, or t

<400> 1546	
ancaanactg gagctccccg cggtaggggc cgctctagaa ctagtggatc cccccgggctg	60
caggaattcg gcacgaggcc ttgacgggcc tcaccagagg ggccacctac aacatcatag	120
tggaggcagt aaaagaccag cagaggcana aggttcgcga ggaggtgggt accnggggca	180
attctgttga ccagggcctg agtcagccca canatgactc ctgcttcnac ccctacacgg	240
tctnccatta tgccattgga gaggagnngn ancgattgtc tgantctggc tttaaactct	300
cgngccagng cttatgcttt ggcagaaggt catttnacat gcaattcatc tanatggtgc	360

cntganaatg gaatgaactn ccanattgga tagnagnnnn atggtaaggn atagaatggc	420
caaatgatga gctgncttnt cttggaantg gactttgaga gttnaagtgt gatcctcatg	480
nggccgcntg ctatccgatg ggatgactta ccacnntggn agaacagnng nggangcgac	540
tgtcttgggg ccntttgctt actgcacatg ctttggaggc caacgaagnt tggcgctttg	600
acaactgacn nanacctggn gcttgaaccc ggtacctaan gcttccantg gccactccta	660
caaccagttt ttccagannt tccatccgag aacaaaacct taatgtcaac tgggccaatt	720
gagtgcctca ttgccttttg gatgtncagg cttgaccnta naaaaattcc cgaaaagtaa	780
nttttttcca accccanaaa aaacaagcgg tgggattttc ttgnccaagn tcccttncca	840
aactgggaag nggnngnttc ccaanacccc ccatntttaa gggnggttcc ttttnnttaa	900
aaccctttt ttnttttggg aaanaaactt	930

<210> 1547
 <211> 993
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(993)
 <223> n is a, c, g, or t

<400> 1547	
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caggaattcg gcacgaggag agatgggagg gtgatcacac tgtctcatga gggccaggag	120
cttcaggact tccttctgtc tcagatgtca cagcatcagg tgcacgcagt tcagcagcta	180
gccaaggtta tgggctggca ggtcctgagc ttcagtaatc acgtgggact ggggcctgta	240
gagagcattg gcaatgcctc tgccataact gtggcctccc cgaacggtga ctatgctatc	300
tcagttcgta atggccctga aagtggcagc aagattatgg ttcagtttcc ccgtaaccag	360
tgtaaagacc ttccaaaaag tgatgtttta caagatagca agtggaatca tcttcgtggg	420
ccattcaaag aagttcagtg gaataaaatg gaaggccgaa actttgttta taaaatggag	480
ctgcttatgt ctgcacttag tccttgtcta ctgtgatttt tttttctgga ccagtttcca	540
gatttttttt cccagagaa gtttcagaa actttcagga atgtttgcag atcaacaata	600
agcaciaaag agaggaatct tctaaaggaa tattgttttt aaaaagtaat aattagcaaa	660
tgtttattta gcattttgaa acctttcact tttataagtg acaaagtgtc ttaaaatgca	720

aaaaagttta tgtacagtta tagggataca caancatgga agagatggtn ctttttttat	780
gcagttggac ttgaaacatt actacattgg atggcattag ctttttaaaa atatcccntt	840
gatgttgana tccaaataaa gattttgggt aaaaaatccn aaccctntga acccttaaac	900
ctaaatnnat tatngcntaa ccattcccnt tgttggtnat ggcttnaaaa aaanttaaaa	960
ccccntaaaa acccagcttt tnacaaaaaa tct	993

<210> 1548
 <211> 1015
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1015)
 <223> n is a, c, g, or t

<400> 1548 nccnatctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
cagtttttna ngaatggcag ctttaatcat cctggccaag gcccctcagg ctccctccac	120
tgcaggcctc cttggtcata aaccaccat caaccatgcc tgaacacttt tcccagggtg	180
cccctgctct tggccactga cgtgggaacc tgaggtcatg tcagtctgtg gatctctcct	240
gggtgtggat ccagcagccc tgagcctgct cttgccatct ccagcagctc ctgggggaca	300
tggccagcat cagcgggagg ctggttgggg aagacaagtg ttcccggcac tggagcaggc	360
attcctcctg ggccgagctt ctttgtgctt tgagactgat ggaagagcgg aggtgctggg	420
gcagaggccc agcccagccc cttgaggcag gagaatcacc gagaaggcgg tttcctcaca	480
gcacagacag gagaacagac acacgtgggc acacacaggc tccacatcct ctgctgctgc	540
agggggcatg gcacagccca gtgacccttc aaagcttcca ggtaaggatg caaaggaagg	600
cctcagggag tggaccangc cctggccctg ggccccaac tttcccaaaa agaagaaccc	660
caagcctgca ggggcatntt gagaagctag aaggggagcc ccctncaana naaggccatg	720
gcttgacaaa gggaccggaa cccaaccaag gagcctntgn gacttaaccg ccccgancat	780
tgctttttgc caacttttgn gggctttntt tggncctncc ncaacnaagg gnncannntg	840
gganaaaaac gggtttttaa attaaccccc cccttcngnt ttggganggn ttttgggcnc	900
ggnttgcccn ttcccttttg ggggcccncc gggngggggg ggcccttttn ggnaancnaa	960
aatnnntant tngnggcccc aaacancaca aaaaagnttt tnggaaaacc ttttc	1015

<210> 1549
 <211> 958
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(958)
 <223> n is a, c, g, or t

 <400> 1549
 gccctatcng gagctncacc ncngtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggananaa attgnnanca atgcattcat ngnccttcca gccccatcaa acattgncat 120
 acatgatgaa nttgcggttc cctcctggga atctgcctag tcctacaaat cctcacaggc 180
 ctattcctag caatacacta cacatccnac acaacaacag cattctcctc tggtacccat 240
 atctgccgag acgtgaacta cggggtgaat catccgatac atacacgcaa acggagcttc 300
 aatgttgttt atctgcttat atntgcacgt nngacgaggc ttatattacg ggtcttacac 360
 ttttctagaa acntganata ntggagtnat ccttntgctc acagtaatag ccacagcatt 420
 nataggatac gtcctaccat gaggacaaat atcattctga ggagcaacag tnatcaccaa 480
 cctcttatca gcaatcccat acatcggcac aaatttagtc gaatgaatct gangcggatt 540
 ctcagtagac aaagcaaccc ttacccgagt cttcgctttc cattttatnc tttncattta 600
 tnatcatagc aattgccata gtccacctac tattcctcca cganacangc tccaacaacc 660
 cnacanggaa tttcctcaga cgtagacaaa aatcccnttc cccccctac tataccttta 720
 angacatctt agggggcccc tcttactaat tctagctcta atactaccta gntnctattt 780
 cgcaccccgga ccctcctnng ganaacccca tataacttnc acccccaagc ccnntccgnn 840
 ttncaaccac accccccttc anattnaaan cccgnggggg ggnnnnnctt tttttgnct 900
 taccgcnatt ccttacgnat ccaattcccc caaccaaact tngggaagga ngttncnc 958

<210> 1550
 <211> 1026
 <212> DNA
 <213> Bovine

 <220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

 <400> 1550
 gagcccatnn ggagnngcat nncngtggcg gccgctctag aactagtga tccccgggc 60

tgcaggattt	cggnncgang	gnntncang	gggtntacct	ctgccccag	gtntgnanc	120
atcngctcct	acaccagtgg	gcccggntcc	cgcacacagct	cctngncnt	ttcccagtg	180
ggcagcagnn	gcnnctntcg	gangcggnt	ggncaccggc	atgagcatgg	ctggaancta	240
cngtggggcc	ccaggnttgg	ggggcatcac	agctgtcacc	gtgaaccana	ncctgctgag	300
ccccctcaag	ctggaggtgg	atcccaacat	ccaggccgtc	cgctcccagg	agaaggagcn	360
natcaagacc	ctcaacaaca	aatttgcttc	cttcacgac	aaggtgcggc	acctggagca	420
acagaacaag	gttctggaga	ccaaattgaa	cctccttgca	gcnnnnnaa	agantgncnc	480
gnngcnacnt	aanacnccat	gtttnatagc	tacattnaca	acctccgtcg	gcagctgnaa	540
aacttttggc	cccacgataa	ncctgaagct	ggaagtggag	cttggcaaca	tgcaggggct	600
tgggtgggant	gacttncnag	accantgttt	cgncggntga	aaaantnana	ngccgcacan	660
acnatgnagg	antgacattt	ccnatcantc	aagaangant	gtgggncgaa	agnnttacnt	720
tgaaacnngg	nnagaancctt	ggattncccn	ccctgggaaa	gggnttggac	ttggatngaa	780
nancnaantt	tcttannagg	caancctggt	ttgnaataag	gntcnttcnn	tngtnnnagn	840
nagctcntca	ntaattttnt	ggaaccntn	agnnggtct	cttgnctcnt	nggncaaann	900
anntcnggna	ancttgganc	ctcntgantg	gcnnctcnntt	tctttgctgg	gcatnnggnc	960
cccnnttttg	tnangngna	tngnnaatc	ccnaatttc	gggttnga	gccctntggg	1020
cnnntc						1026

<210> 1551
 <211> 1026
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1026)
 <223> n is a, c, g, or t

<400> 1551	
gagcccatnn	ggagnngcat nncngtggcg gccgtctag aactagtga tccccgggc 60
tgcaggattt	cggnncgang gnntncang gggtntacct ctgccccag gtntgnanc 120
atcngctcct	acaccagtgg gcccggntcc cgcacacagct cctngncnt ttcccagtg 180
ggcagcagnn	gcnnctntcg gangcggnt ggncaccggc atgagcatgg ctggaancta 240
cngtggggcc	ccaggnttgg ggggcatcac agctgtcacc gtgaaccana ncctgctgag 300
ccccctcaag	ctggaggtgg atcccaacat ccaggccgtc cgctcccagg agaaggagcn 360

natcaagacc ctcaacaaca aatttgcctc cttcatcgac aaggtgcggc acctggagca	420
acagaacaag gttctggaga ccaaattgaa cctccttgca gcnnnnchnaa agantgncnc	480
gnngcnacnt aanacnccat gtttnatagc tacattnaca acctccgtcg gcagctgnaa	540
aacttttggc cccacgataa ncctgaagct ggaagtggag cttggcaaca tgcaggggct	600
tgggtgggant gacttncnag accantgttt cgncggntga aaaantnana ngccgcacan	660
acnatgnagg antgacattt ccnatcantc aagaangant gtgggncgaa agnnttacnt	720
tgaaacnngg nnagaanctt ggattnccn ccctgggaaa gggnttggac ttggatngaa	780
nancnaantt tcttannagg caancctggt ttgnaataag gntcnttcnn tngtnnnagn	840
nagctcntca ntaattttnt ggaaccntn agnggggtct cttgntcnt nggncaaann	900
anntcnggna ancttgganc ctctgantg gcnnctcnntt tctttgctgg gcatnnggnc	960
cccnnttttg tngngngna tngnnnaatc ccnaatttc gggttnga ggcctntggg	1020
cnnntc	1026

<210> 1552
 <211> 1057
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1057)
 <223> n is a, c, g, or t

<400> 1552	
ttggaaacng ctggagctcc ccgcggtggc ggccgctcta gaactagtgg ataccgggc	60
tgcaggaatn annaaccang ntntgcccaa gaancaaaag cggaattgtn ccatnggtca	120
ntggattcta atgaaaactc ggcaatgaan tcangtacia ctccaagaga agacacttgg	180
agaagaacca agctgggtnt ataanaagca agctggntct atgagaagtg gtcttaacat	240
gtagaccact tttttaagca gccagatcac aatgaaaaca tcaactactgt aatgcttggc	300
ccatgatgtt atttcctcac tatcagtctg agaccagca ataaatataa nacgttgcac	360
aaaaaaaaaa aaantnctgn ggggggggng gggcccnnc tgttccnntt tgggnttttg	420
aaaaaacat tntttcantt ntgggncttt tntttntaat nntnnnaant anttttnntc	480
ncctcaattg tanggtancn cctttctccn tcnnnnnnta ccgnttncnn tntnnnnnnc	540
cnantcnnct cnncganttn cnttttntctt ttcagantta antnnnnncnn ntgtttcnnn	600

nagccnnnga nttttctnnn tttcntttat tntnntgnga gagnnatnta tnanngtnna	660
tttcntnncn tgatagnngt tacacnnnnt tttntngcn tnaanctacc ccccttnga	720
nantnntttt taanngnnnn ttnaacnntt nngcgntnta ttcnntattt gnatttncct	780
ngtgtttctt nttnngtcgn ntcttanntt ctctcttttt taccntanan ngtcctntnc	840
nagcntcttt gccttanntt ccttttctcg tnttgtnagc ctngacaccn ctagantttt	900
ttntntattc gtnttggggn ntntcnctg anacnnttta ntttactcnt ttntnnntat	960
actnttattc tngtagtnnt tatctattcn naataaattc ntnaggagnt nanacctact	1020
cattntanct annatgtgtt ttntnttnac ntctnct	1057

<210> 1553

<211> 966

<212> DNA

<213> Bovine

<220>

<221> misc_feature

<222> (1)..(966)

<223> n is a, c, g, or t

<400> 1553

aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc	60
agggagaggc tccgcctgtc ccctagtccc acctcgcagc gcagccgagg ccgggcctcc	120
tcccactcgt cccagacaca gagtgggagc agcgtcacca aaaagcgcaa gctggagtcc	180
accgagagcc ggagcagctt ctcccagcat gctcgcacca gcgggcgcgt ggccgtggag	240
gaggtggacg aggaaggcaa gttcgtgcgc ctgcgcaaca agtccaacga ggaccagtcc	300
atgggcaact ggagatcaa gcgccagaat ggagatgacc ccctgctgac ctaccgcttc	360
ccaccaaagt tcaactctgaa ggccgggcag gtggtgacga tctgggctgc aggagctggg	420
gccaccaca gccccctac tgacttggtg tggaaggctc anaacacctg gggctgcgga	480
aacagcctgc gtacagctct catcaactcc actggggaag aggtggccat gcgcaagctg	540
gtgcgtcaa tgatcgtggt cgaggacgac aacgatgagg atggagacga tctgctccat	600
caccaccacg gntccacgc aggcagcagc ttgggggacc ccgncgagta caaccttgcg	660
cttcgcgcac cgtgctgtgc gggaatttgc gggcaagccc gcaaaacaag gcgtntggcc	720
aacttcggga nccccagnng gcggatccn tctcntttgg cttcttccgc cttcagnngg	780
cacagtcaact tccaagtttt cccaaagtgt gggggggcaa angggggggg ggaaaatttn	840
gggggnanaag cttggtaaac ccgntttnta actttttngg gnaaattccn aaanccccna	900

aaccccaaaaa cccccccaan ntnggggtngg ggtnnttttn gggggggggn tnaaaacaaa	960
naaaan	966

<210> 1554
 <211> 917
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(917)
 <223> n is a, c, g, or t

<400> 1554	
tnnnncaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggcacg aggccttgac gggcctcacc agaggggcca cctacaacat	120
catagtggag gcagtaaaag accagcagag gcagaagggt cgcgaggagg tggttaccgt	180
gggcaattct gttgaccagg gcctgagtca gccacagat gactcctgct tcgacccta	240
cacggtctcc cattatgcca ttggagagga gtgggagcga ttgtctgatt ctggctttaa	300
actctcgtgc cagtgccttag gctttggcag tggtcatttc agatgcgatt catctaaatg	360
gtgccatgac aatggagtga actacaagat tggagagaag tgggatcgtc agggagagaa	420
tggccagatg atgagctgca cgtgtcttgg aaatggaaaa ngagaattca agtgtgatcc	480
tcatgangcc acatgctatg acgatgggaa gacttaccac gttgggaaaa cagtggcaga	540
aggaatatct tggtgccatt tgctcctgca catgctttgg angccagcgg ggctggcgct	600
tgtgacactg ncgcaaacct tggggctgaa ccccggtacc gaaggcttca cttgnccact	660
cntacaacca gtntttcca gagatncnt cagaaaacca acncttatgg tcaactggccc	720
aattgagngc ttcattgcct ttggatgtnc aggctgaccn aaaaaattt cccganagta	780
tttttttcca accccnaaaa aacaagcggn gggntttttt ggccaagggn cctttccaaa	840
ctgggnnngg ggtttccna ancccnagg ttangggggg ttcnnttttt ttaaancccn	900
tttggnnttg ggaanan	917

<210> 1555
 <211> 1011
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1011)
 <223> n is a, c, g, or t

<400> 1555
 nntatctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60
 aggnnnnnng cncnnnggtc ctggnnnnat gtgagaannn ngncaanncn tgnncggctg 120
 ntgccttggc cntgnacntc nnnacnnntn aggnngcnca cacnctggct ngnacnnncg 180
 canatgncct tacngnnnct nggaccnaaa tgnnnngcan gacccggnac tnnaacngnn 240
 tacangntgn catcngggnt ntgnnanncc tgcnggntta cnnngtggct nnnannngntc 300
 angcttngca agggnnntnag atgactnnta nagatncnan gncnaancng accnnngntc 360
 tggccaggat tnacnaacgc cctctgctac atggtnagtg ctgtgngaga gnnnatgaa 420
 ctnanntttg tattnntggc cctnnnnngnt nnnantncca cnnactggaa gntnatgatn 480
 ngntatgaga gcnnncnngn gtctnacctg cgcntactnn atnnncgnan cctgancncn 540
 cacgnntact tncntngnnt gacntcgnac tacgggacnc ntgcttcann tacagactgn 600
 ncccttggtt actgaatcna ccnagattgc gancctgncn tnntannnan tatncntanc 660
 ntgcntggng aaganancgt ncttatnact ngctgacctn tttcccgnnn anagtngctt 720
 gcatttcnct gcnaaccctat caagaatgnt ttggnttacn agnaaaacnn acctccgccc 780
 cnnntaaana tntggcgcca nctngaanca natngtntt tgcncctggt nntaagcccg 840
 nnacntgggg gnnatttata ntgcnttgct ttttgannct tttnggccct tttcntccnc 900
 naaaagccaa aagcaattnn gnttnttga aacntccttt gggngngctt gnntcccccc 960
 nccntggant nggnangttt tttgggntnn ggtgggccnt nttaaaantt n 1011

<210> 1556
 <211> 1706
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1706)
 <223> n is a, c, g, or t

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<400> 1556
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tcncncntn tttcncngc ccngcggcgc cctctnctc cncctngngg cctcnnnnnc 120
anatgnntcn nnnnnnnntt nagccctttc agtggagtcg tattncnagn ggagncgcgt 180
ctaanaacta gtggatcccc ncgggnctc nngtcntctn ggntnngntn ttttttcctn 240
ctcncnnacc tctngtnttt tttnccccng ggggnnccct ncctccttgn nctttcctcn 300
cgcccnctn tttccnggtt ttctcctnct cctgattctc gtncngnccn tactcctggt 360
ttgncnttnt tccctgtncn ntcttctnct cttncncgcg tntcncngnc ccnctacct 420
ccgcccntnn nncncnnttn ttncncgncc cngttcctgn nctctngngt ncctncccc 480
tctcctccn ttncctngt ncnacnct ncctncnct tannctngcg gcctntccc 540
cnnncnccc nnnccctc gntcccnccn ccnctttctc ccgncnnt cncctccggc 600
ntcccttct cctccttnc tcccttccc ncntgcnnc tnnncnccct ntngncccc 660
ganannnnnt tnnctcngg cccnncctc cncnntta nntntcccc tccgtccacg 720
cgctcctct cncgtcgnnc cnntagncnn ttccggnccg gccgcncn gttctnctc 780
ntccnntt cntcactngc gntcccgnt ncnngncant gnnctnnnt cncctcngt 840
ccnctnnnt nntngcctt agtccctcta tntnnntcnn nccgtctcc nctctcgnnt 900
tcnatnttnc gtctcngng nnnncnatg tntctnccg cgnnttgtn aatcntcnc 960
nnntctntcn ccgtcgtggc ncntgcnnnc nccctncaan tctcccactt tttccctttc 1020
cnnctcctt cntctnnntn tttctccggn ntncccggt cntccnccn nggtcnccct 1080
cagcctcct ntncccncc ttcnccggn cctcncgac tncctcctgn cgcncctcct 1140
ntgntgnnt ccnctctct acnncnncn ctncnccnc tcnntact tcgtatggng 1200
ctcnnanctc ttncncgctn ccctntttct acntnccctn tctnnnngct ntnttccgcc 1260
gtntnttnc ttgtangng nctctctccg nctncnctc nttcnngtct cncctctctc 1320
tctncnnt tntnnnncc cccgcncgt cggttctcn tntntnttgg cactcncgt 1380
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ctgntcgcct cgctnctng nntnctctg tnccggttc cccncttctc tnttccnntn 1440
actgtcnnct cccacacnnac cnntgcntnc tncntnccct cctnttcccc ccngcggtgnn 1500
cctcccnncg ngctctntnc tcatctcnnc ttgggtctga cgctnctgct aaggnnnnc 1560
nccnatnccn tngctcctc cgcctctctc cntccttncn gtnnctgann gcaccnecat 1620
nttngtganc cctcgcctct ggnccncccc tnccgcttn gtgctctact cgntccgcn 1680
cctntnctc cgtctctccc ncgcgc 1706

<210> 1557
<211> 1109
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1109)
<223> n is a, c, g, or t

<400> 1557
gccctatagg gagncgnatt acagtggcgg ccgctctaga actagtggat cccccgggct 60
gcaggaattt cggtagcagg attnttgtca ncctgncgac cnggangggg ggtcnngggg 120
angcaatttn gcccatatnn tgatctacnt cttacnncgt tttttaaatc cgcattgagan 180
gtcccagtga cacngngaga cnatncacag ngntcntngn nngctncgaa tgaccncttg 240
nnngnnatca tgaccagncc ganggntgat tntagaattg cctgtgggac cagctaacnn 300
tcnngctgng gcnnngcngt aagtatntgn ntgnantgnc ccnaatctan ctgnngangg 360
actnaacttt gnntattnnn nncatctggn acncgnanca ncagcagaga ngcntctgng 420
nntngaacga cnnctctgt gnatatann caattnnggg ggnacanctg ccanancacc 480
tnnnttgnt anttgngcat anctgnaaag gnantnnntt cnnctctnac cgtngggctn 540
ttnaagnaac ncnttgntnc agngtgcnt gntctntng anacngant gnnntnnncc 600
ncnnntcgna ncnnatnnnc angnangana ngnangnggc cagtnantnn ngnntcttan 660
accnantccc nntgcactac ttcttagcnn aacctnctgg ncttnaannn ntncnnttaa 720
gaanttnat tttctactg tcagnnaant taatcgtcnn nnngaatan ttntccnngg 780
ggcnngaaan aattanctaa ntccttant gntccacntn naaggtgcct gntcccctng 840
nancgaaaan gancttctn cacttggggn ncgnncnntn aattnncaaa atnanntnnc 900
nnntnnnttn ttctgnggtg gttgtgttn tttnaacnan tgcntctn nncagnnggn 960
aggatntctc ctgnatnact tcntagagna antnatctnn cnancnannn ttctntnaan 1020

aggncctatta ncngtcctnc gntanantng nnaannagnc cagnacccca ctgtnttgtc 1080
 tgnngnttnnn nntatnnntn gnnnnnccg 1109

<210> 1558
 <211> 960
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(960)
 <223> n is a, c, g, or t

<400> 1558
 ncnnnatctg gagctccanc ncngtggcgg ccgctctaga actagtggat cccccgggct 60
 gcagganttc ggcacgaggg tcctacaagg tgtctacctc tgcccccagg tccttnanca 120
 ncngttccta cacnattggc cccggttccg nattaanttc ttggnctttt nccnannggg 180
 cnnnnacaac cnnttttngg ggggncnngg cncnngnntn aacntnggtn gaanctnccg 240
 ggggggccca ngnttggggg gcnttacanc tnnaccnng aacccaaaacc tgntnanccc 300
 ccttaagctg gangnggatn ccaacattca agccgtccgc acccaggaga aggagccgat 360
 caagaccctt aacacacaca atttgcctcn tctttatgac aaggtgcnnc acctgtgagc 420
 acaaagaana nggtncctgn agacaccatn tgaactcntg nccatacat aaaanntgtg 480
 cggagcnana tatacanat gtntgtgagn tatattnana acctctgtcg gcagntgna 540
 actctgnncc acgagaaact nnagactgta aaatgnngct tgcncatgt aggggctggt 600
 gggggactnt tcaacaacga ttgnnggatga tgatannaan cnccanaaat cgnggaatga 660
 atttttctca tcaanaang atgtggatga agcttntntg ancaacgtgg aactgnngnc 720
 cccccctgcn angggctgct tgatggaaaa naactttttc cagccgctgn nttaaaaaag 780
 aaaatccttn nnaaannagc ctnactnttn ttttcttacc cccnngggtc ctttttcttg 840
 gaacaaacaa ccccanctt gganccttga tngggnttna ttccnttggn gggnannggg 900
 ccccccttg aaggaaaaann ncncccccc cccnngnctt nataccnaag ncntttttcn 960

<210> 1559
<211> 960
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(960)
<223> n is a, c, g, or t

<400> 1559
ncnnnatctg gagctccanc ncngtggcgg ccgctctaga actagtggat cccccgggct 60
gcagganttc ggcacgaggg tcctacaagg tgtctacctc tgcccccagg tccttnanca 120
ncngttccta cacnattggc cccggttccg nattaanttc ttggnctttt nccnannggg 180
cnnnnacaac cnntttttgng ggggncnngg cncnngnntn aacntnggtn gaanctnccg 240
gggggnccca ngnttggggg gcnttacanc tnnaccnng aacaaaaacc tgntnanccc 300
ccttaagctg gangnggatn ccaacattca agccgtccgc acccaggaga aggagccgat 360
caagaccctt aacacacaca atttgcctcn tctttatgac aaggtgcgnc acctgtgagc 420
acaaagaana nggtnccttgn agacaccatn tgaactcntg nccatacat aaaanntgtg 480
cggagcnana tatacancat gtntgtgagn tatattnana acctctgtcg gcagntgna 540
actctgnncc acgagaaact nnagactgta aaatgnngct tgtcncatgt aggggctgg 600
gggggactnt tcaacaacga ttgnggatga tgatannaan cccanaaat cgnggaatga 660
atttttctca tcaaanaang atgtggatga agcttntntg ancaacgtgg aactgnngnc 720
ccccctgcn angggctgct tgatggaaaa naactttttc cagccgctgn nttaaaaaag 780
aaaatccttn nnaaannagc ctnactnttn ttttcttacc cccnngggc ctttttcttg 840
gaacaaacaa ccccanctt gganccttga tngggnttna ttcnnttgnn gggnannggg 900
ccccctttg aaggaaaann ncncccccc cccngnctt nataccnaag ncntttttcn 960

<210> 1560
<211> 988
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(988)
<223> n is a, c, g, or t

<400> 1560
tnnnnaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccg 60

ctgcaggcct gacctggcag gcctggaggc gctgcggcgg cgaggagcagc tccccagcct	120
ggcccagcag gaggaccag aaaaggtaaa acttctgcct gaagttcaac tgtgcctcga	180
gacgtgtgct cctgaatgcc agcagagcta tgggaagggtg gaaagtacac agctcgacaa	240
cgagtcccag tgaggccagc ctccggcctg acagcagagg aaccaaccca acctaacatg	300
tcaccagtgt caaggatgct ccaggtcctt gcaggaccct ggcaattccc acccagttag	360
attttgctcg acaaagcctc tctttcattc tccaaagcat ccacgggctt cacatttcct	420
ccagaggcct cccaggaana acgctngatg gtgtctccct gctggcanan aaaagccctg	480
gnagctggtg gcctgcacca gtgcgtgatg tggggtgacn tgnccggccgg ggggaccccc	540
gcgggggcct caaaaagctc anagaaagga agcncnttc acaaagatac cttccccccg	600
ccccagcctg ttgagccgna aacaccagc catcctgaaa gccacagnt ttgccaagga	660
ctttccttgt ngggnggggn ccccttggg cttcattaaa ataaaaaagt cgtcgnngca	720
accccttna aaaaaaagg ngggccnaan tttngggnaa atcccttgcc ttttttttg	780
gctggacctt gcccccaat tgggggtttt gcccgggcaa ggggncccgg gccgggccct	840
tccngggctt tcntttgggg caccctaata tggncctggg nnnngggccc ccccccccta	900
aacaaaaaac anggccttta aanccncggg gggacntttt taacncccct tttggggggg	960
gggttncccn tttggcctt ttcncca	988

<210> 1561
 <211> 977
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(977)
 <223> n is a, c, g, or t

<400> 1561	
ttnaaaaaaac tggactcccc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcagggtttg gtggactcag acagnccata gtggcctttt gaccttgagc aaggggctca	120
acctctctga gcttctgtct cttctgcaaa gcggagctct taatagtggg aaccacaac	180
ggcgaggaag ccagccagtt tntgggtaaa acccttggcg tncattaaag ctgatttctc	240
ctcactggcc ctgtgaagca ggttcagtta ttactctacg agatagatgg ggaagccaag	300
gctganagaa ggtttggggc tgggacccta aacacctgag tgcaanactg gccccctcc	360
accgagggaa gtgggctgaa gcctggccca ggcgacccc tcntgggga gagcctggga	420

tgcccttcag ccttagtggc tcctgactca tggagccctc agccacccca gggccccaga	480
tgggggtccc cacggagggc agggaacggt ccccgagacc tccanactat gaanacnagt	540
ttctccgntn tctgnggcgt gattatctgg taccogaagc agtaccaagn gggtcctnat	600
cgnancctac gtggnttgtg ttnttcgaan ccctgggggg caaacacact tgggtgtgcct	660
ggccgtgtgg cncanccccc ntganggacg gncaccaaata tactttattg gnaaacctgg	720
tccctggggt gacgtgcntg gngaacggcc atttttgcct tgccgntaa cnttnttaata	780
aaaaaaatca cntggaatcc ttgggttttt ttggggccatt gcccnttttg gaangggcaa	840
ttcccntat ttacanggn ccggtttttt gtttcccng ggcaaaggct ttaanccctt	900
aaattttnt ttncctttg ggacccggtt gggntttgcc anttttgcc cnccttttg	960
nttttnaaa aaaacca	977

<210> 1562
 <211> 968
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(968)
 <223> n is a, c, g, or t

<400> 1562	
caaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggtttttg ccagcctcag acatactggg tacatctgta ttgaactttt gaccctagaa	120
accaatggag ttatttcacc acaaataacg aatatgcctg aggtgcatgg gaatatagtt	180
agctgtactc tgaagataca tttttttttt tttanctagg gccncancn tntaaccnng	240
taaaagnaaa aancngtnnn aaangtncnt ttttnagtn cnccaantgg naaccntttn	300
gcngntnngg ggntaaaant ttctttgggc canttancta tnggattnat nttnatnata	360
annggtnatt aaattttttt ccnaatttan ccngntanc naancggggt tnncaanan	420
ngcccaaata gtanggtngc cngnttcann aaaangggtn ttnggnanna ntnttanaan	480
ccntnncaaa tttnangcng gantnnacaa cntcntcaat tttnataaa aaaaatcttt	540
ngaacccaan gggatnaatt angggttatt aanaattggn ttgganatcn nacnggggca	600
aattttttta aaggagnaaa ttggccttta taangnaaat nggggatttt ggttnnacan	660
gggggttcct ataggtttta attttcannc ttnaaaaaa caaaaagggt tnggggaaat	720

tggnananaa ttttnaaang ggtaccggtg ttttaaaaag cncaaaaatt ttccccttgg	780
gaannggcct tttaaatncc ttttaaaaaa ttntntnntt ttaaaatcta nggggaaant	840
tttccncgga aaaatTTTTT tcanggggtc aaaaaanccc tttntTTTTT tnaacatttg	900
gggccccggg nccggggggg gnttgncccc anaaggggcc tttgnaaaaa aatttaantt	960
aaattntt	968

<210> 1563
 <211> 928
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(928)
 <223> n is a, c, g, or t

<400> 1563	
ttnancaanc gctggagctc cacncgcggt ggcggccgct ctagaactaa gtggatcccc	60
cgggctgcag gaattcggca cgagggtttg atataccttc ttttttatg gagaacataa	120
gtttaattgg tgttttgtgt ttctaagcaa ttgactaata aaacacaaag ttggttagta	180
attattttgt taacttggtg aagtcaagta taactattat ttattacttg tacattngat	240
aagaaaattt tcagattttg aatngcacag atcacattat atctattgca ttacttttct	300
atacttctaa ctggtctcta ctctggttga tttttttgt agttaacttt acctatgaaa	360
acttttaagg gtttataaga ctcaaccaga actacatata tgggtgattat ctcatthaatt	420
aacagcataa aattttatact ataagtgttc agtcantata attccactta ataattagtg	480
aaaatttcat attatcctaa gtattacagt attagtccat ttttttcttc tcctaaatga	540
aggggtggtt ttttttggtc tgggggttat atcatthaacc ttcttttaata tcttttttgg	600
gctgggggna atattntan atnacngacc ccctctaact tacanagnna ntagagacat	660
ttaaaaaac ctngnggggg ggcccggnc cccaattcnc cctatanggg gggngggnaa	720
aaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngn cnnnanaana anncccnnnn	780
annnnnnntn nncnncnccn nnanaaancn nnnnnnnngn nnnnnnnncc nnnngnncn	840
nnnnnnnnnn ggnnnnggnn nnnnnnnnnn nccccnnnn nnnnnngnnn nnnenttnnn	900
tnaannccn tttnnnnnnn ggnannnn	928

<210> 1564
 <211> 984
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(984)
 <223> n is a, c, g, or t

<400> 1564
 aaanctggag ctccaccgcg gtggcgggccg ctctagaact agtggatccc ccgggctgca 60
 ggaattcggc acgaggggaa tatnttggtg ccatttgctc ctgcacatgc tttggaggcc 120
 agcggggctg gcgctgtgac aactgccgca gacctggggc tgaaccgggt aacgaaggct 180
 ccactgcccc ctctacaac cagtattccc agagatacca tcagagaaca aacactaatg 240
 tcaactgcc aattgagtgc ttcatgcctt tggatgtaca ggctgacaga gaanattccc 300
 gagagtaata tttccaacc agagaaacaa gcgtggatct ctgccaaggt ccatccaaac 360
 tggagtgggtg ttgcgagacc ccatgttagt gtgttccttt cttagccct ttgctctgga 420
 gtaacttctc cagcttcagc tcaactcaca gcttctccaa gcatcaccct gggagtgttt 480
 tcagactttt ctcatcatg ggagcagtan gttatctatt cttcaaaata ttccatgcca 540
 atcagtattt taaatgaagt gattctaact tgtgatnngg attgggatcc atagggaagc 600
 acatgcacca accaagatac aaaatgtctt gaaatgatat taccaaaatt ntaagtagga 660
 aagttacctg aacacttctg cttncactta actgactggc ccgcaatatt gtangaaaca 720
 agcatgggtcc tttgtactgt ggnattcaaa acagccacaa gtactcactt tttccaaaag 780
 gaatctagta attggctaaa aaaatctttt tcntttaact gattaatcaa atttttccag 840
 tattttttat atgggaaaaa aaatggactg aananacnta atatgcagtn gataanaagg 900
 naactgggcc naatatgggg ggggatattt tttataccgg atgggnccaa gctttntac 960
 tggggnaaan aaactgggtt aant 984

<210> 1565
 <211> 1014
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1014)
 <223> n is a, c, g, or t

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<400> 1565
ncctacngga gctncaccgc ngtgggcgcc gctctagaac tagtggatcc cccgggctgc      60
agggtgaaag ggaactgttt agttttaaca agactaagtt aatcatggga gccctcaggt      120
gaaagagttt tagtaacaac aactcctctt tcccatagtc aagggtggatt tgtcaggccc      180
acctgaaatg tgcccatagt caaatcattt actcgctcct cctanatcgc tgcccttgac      240
gtttcccatg gctgtacgta tttctatgta tctgtttttc tcttagaatg tccacctctt      300
gggacttgct tagatgactg aatatgaata ttattggtat tagacaataa tttgctttcc      360
atccagtatg ctagttctta ttcaagaact gtggtcagag ggtatttgta tatgagtatc      420
ctttgcttgt ctttctagna ctgaaaattg acagaagtaa ctggctgtgc agaatgtaat      480
agaagctttt catattcttt tattcttaaa atcagtatct ttttacagta ttctttctac      540
atgatccttt tttgtacatt taagaatatt ttgattacat taaataagac tgctgatttt      600
gctacttttt ttaaggggtc ttcaagtaag taaaaaacat acattatagg gtagagggaa      660
atggaccttg aatttctatc ttctctcca cactaaagct gnaaacactt tgacatatTT      720
tgnnctgaaa cacttggggtc aaatatatac ctntttgggt ttaaaaacct ggtnccaatc      780
aaantntttt tttttaaaat tttaaaaggc tngngggaaa atnaaccctt tttggangga      840
aaaaaggggg gcctccaaaa ttttagggaa gggatntgaa tagggcccag nnttgcnnaa      900
nncnnatant taaaattttc tnaanttnnc cccccnaaaa aaangggggg nngggggcca      960
ntaaaaaaaa aaaactgggt nnnnngganc ctaagggnnn nncaanggnc cccg          1014
  
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<210> 1566
 <211> 976
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(976)
 <223> n is a, c, g, or t

<400> 1566
 gccctatnng gagnngnatc ncagtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggcaaaa tcaacaccga tgagattatg acctcactca aatcagtcaa tggacaaata 120
 gaaagcctca ttagtcctga tggntcccg n aaaaaccctg nacggaactg nagggacctg 180
 aaattctgnc ntntctgaact ccagannnga gaatattggg ttgatcctaa ccnaggggtgc 240
 naattggatg ctnttaaagn ctactggaac atggaaactg gggaaacgtg cntnagtgcc 300
 nntcctttga ctatnccaca naanaacngg nggacngatt ctggtgctga naanaaacnt 360
 gtttggtttg ganaatccnt ggaggggtgn tttcanttta nctatggcaa tcctgaactt 420
 cccgaagacn tcctcgatgt ccantggca ttcctccgac ttctctccag ccgggcctct 480
 cagaacatca catatcactg cncagaatag cattgcntac atggatcatg ccagtgggga 540
 atgtaaagaa agccttgaag ctgatggggt canatgaagg tgaattcang gctgaaggan 600
 atagcancat tcacatacac agttctggag gatggtgtgc aaaaaaacac actgnnga 660
 ggnggccaaa aacagtcctt tcagtatcna aacacgcang gccggccaga ctaccctatt 720
 gtagaatatt tgcaccctat tganattcgg gggggccntg atcaaaaaat ttgggtggcc 780
 ggaccatnng nccccggtn ttgctttttt ttnaaaccca aacttctttt ccaaagnncc 840
 cacaaaaaag ccttcccccc tnccattatn gtttcccttt ttggttnctt aaatccttgg 900
 tnagnccngc taccaagtng nccaaaacnt tcccantttt tttntttttc ccnaaaatn 960
 tctttggngg aaaaaa 976

<210> 1567
<211> 925
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(925)
<223> n is a, c, g, or t

<400> 1567
aaanctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccggcctgca 60
gggaaaaaag aaggttcctg ctgtgccaga aacccttaag aaaaanncgg anaaatttcn 120
cagaanctna naatnanccn acngaaaana annttgnccc aaanaannnt ncaaaggnc 180
ggngnancn tanttnttaa aaancntanc cttnccccc ggnatnccng ccnannnncc 240
naacnnnaat tncaatggnt tnganggnnc caaaagccng tnacttntnt nnncccnng 300
aaccnaatt ggcgtttggc attcnganna nangnatnaa tgggtgtganc cccaagggtc 360
naaagggtcg cancttcttt ccttcgncng atatttncgg ggccttttga nctcaccac 420
ggcgtnaatt ncatgctctg aannttggag ccctacannn nntgnggggn cacnatntg 480
aaatctgtga atganntnan ttacacncgn ggntcgncgn aatctccaca aagcgaattn 540
cctgncacac aangcatnna ttgctcnatc tcttgggaaa natggaatca tctgcntgga 600
ggatctnatn catgangaca tatncncggg anacgtttna aaaaagcaaa cacttccttn 660
tggncntta aaantcttct tcnncacggg ggggtgaaga aaaaaaacc cccctttttt 720
gaaagagggg gangcttgct gccagnggag aacacctnaa cnggcttttt tataaggang 780
aactacngng ttccnggaa gattattggn ngtcnggggtg gttaaacaac cnnacccaaa 840
aaaaaaaaa aaanntnng gggggggggc gggccccnn nnnnnnnntt tttttnnggg 900
gggnntntt tnnnnnnnnn nnnnn 925

<210> 1568
<211> 925
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(925)
<223> n is a, c, g, or t

<400> 1568
aaanctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccggcctgca 60

gggaaaaaag aaggttcctg ctgtgccaga aacccttaag aaaaanncgg anaaatttcn	120
cagaanctna naatnanccn acngaaaana annttgnccc aaanaannnt ncaaaggnc	180
ggngnancn tanttnttaa aaancntanc cttnccecca ggnatnccng ccnannnncc	240
naacnnaat tncaatggnt tnganggnnc caaaagccng tnacttntnt nnnccncng	300
aaccnnaatt ggcgtttggc attcnganna nangnatnaa tgggtgtganc cccaagggtc	360
naaagggctg cancttcttt ccttcgncng atatttncgg ggccttttga nctcaccac	420
ggcgtnaatt ncatgctctg aannttgag ccctacannn nntgngggnn cacnatntg	480
aatctgtga atganntnan ttacacncgn ggntcgcncg aatctccaca aagcgaatn	540
cctgncacac aangcatnna ttgctcnatc tcttgggaaa natggaatca tctgcntgga	600
ggatctnatn catgangaca tatncncggg anacgtttna aaaaagcaaa cacttccttn	660
tggncntta aaantcttct tcncnacggg ggggtgaaga aaaaaaacc cccctttttt	720
gaaagagggg gangcttgct gccagnggag aacacctnaa cnggcttttt tataaggang	780
aactacngng tttccnggaa gattattggn ngtcnggggtg gttaaacaac cnaacccaaa	840
aaaaaaaaa aaaanntnng gggggggggc gggccccnn nnnnnnnntt tttttnngg	900
gggnntntt tnnnnnnnnn nnnnn	925

<210> 1569
 <211> 1015
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1015)
 <223> n is a, c, g, or t

<400> 1569	
ttgaanaacn atctggagct ccaactcgcg tggcgccgc tctagaacta gtggatcccc	60
cgggctgcag gantnnggn cgaggccttg gtccagcgct cgaggntgnt ctgcctnctg	120
ttnatncnt tnntnttct cctactngct gancgccntc gggggcagct ccgcancccg	180
cgccanggtc ttcannntna nccngcanan cttngcctn gtggnanacg acgattggct	240
cannangggg tatcgggtgag ctcatnggta agnncatcta tgacttcttt gctctggnta	300
tcttaaagct ggncaactgt cnggttgntg nggttggtgg cncctccnat gccccatgat	360
ttngcgacan tccgctgcag gaatcttgct cctccttg ggntncgna anancgagga	420
gaataaagaa gagttnngang anctcngang aatgacctg ggctttggnt tgntttnact	480

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agaatccccg ctncctggg aaatannacc cctttttntg tnaaaaaaaaa aaaaaaaaaa 540
aaatttttgg gggggggggc cnnngccccc nntnnccncc tttnttttn nnnnaaaaaa 600
aaccctttt cccntnncnt tncctccanc ccggnantgn ttttncntna acacnggtgt 660
ttnttttngn cgtcnntttt annnccccct ntntannccc ctntttttt tanngttttc 720
ctttncnnc cngnngtggg naccntncc nntnttttn tntncttgng gnttcncng 780
aggnccnan ctgggggggn tnccttttcc cgtncnanna antanctnnc tattnnntna 840
atttcttng ggtgtgnttn gccnccccnc aaaatcgtt ncnggggnnn ngnttttntt 900
tnaaccncn nttntttttg nnnnnggggg ggnngaaaaa nantccnccc nnattatngn 960
cccccnann ncncnccn tttttttgca naaacnnttt tttncccncc tgcct 1015

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<210> 1570
<211> 1000
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1000)
<223> n is a, c, g, or t

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<400> 1570
ttgancacag ctggactcca ccgcggtggc ggccgctcta gaactagtgg atcccccg 60
ctgcaggng gagcanagg ncccaccgnc gacnnngag ggaactcnnt nactggnncc 120
gtgctcatct caggancana nccattnctt agngagataa tatagtatca aagcaacatg 180
caaccnanac cttttgacat tttagggcta gttggtactt nccantanac atgtttggtg 240
gctggtgtca aangtccgna aagnattagc tgccangna gnggaatgct tgcttttatt 300
aaaatgactg tantcttct tgttncagac aagctatcat tggaaacctc cttttacagt 360
acagggngnt cagaaacgtt ttnagtnctt tgaaagcact atatttatgt tgctccangg 420
agttgatatt tctccaggt taaanagaat nacagcttct aactttta tanaantgna 480
caagacagaa agccccgng anaattaaag ccaaanaagga tttttcattn taattntngg 540
gggggaaaaa anatccaag cnttgtggan ntaaggngtc nccccatcca aaacnntgtt 600
tccnttggg taaaaaant ctttccttgg aagtttnaaa ccttgaatng ccnnnaaact 660
tgggttnggn ngggggtgnc ncttaattta nggggggggg ggggggnggg tttggggggg 720
gttnaaaaaa tnaaanana gccntgnggg ccntatttnn ccacnnngaa atttaccngn 780

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gnggttcccc caaccttttt agannnggcn ttannnttgt aaagggtttt ttgccaaang 840
 gaaaggggac cntcaaaagg ccggaancn nttttttttt tttnttangt taanggggaa 900
 aangngccct ttttggggan nanaaacggg ggncccaaaa aaaanggggg tnttttnggn 960
 cnaanatttn aaccgggtt ntggncnnc tttttaggng 1000

<210> 1571
 <211> 1033
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1033)
 <223> n is a, c, g, or t

<400> 1571
 tnnanaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggaat tcggcacgag gctcactcct ntgggtgganc tcancactcg ggaggccctc 120
 gtntnangga cagctgcttc tcccgggctg ggcttttctc cctgagctgc tcagctggaa 180
 ccagggacac ggtctgagcc caacgccagt gtctattttc cacaaaaacg ggcaatgctg 240
 ngagagccat cggaagactg tcctctatgg caatgatctc agggtcagt ggcaggaaat 300
 cctcaanagg gtcaccaacc ngccnctca atgcataaaa aactagaatc tgannatgnc 360
 tcccaagctt tcctgaagnc tgtcgctgag gagaancccc atgtaaaacc ctactttccc 420
 anaaccattt cgtgacttag aagtngggaa gggaanggct gctaaaantt gacttgaaaa 480
 aatggaagga taccncngac ccctggaagt cgttctgggt tcaaggaatg acccattcaa 540
 ttccngggag ggcccggcca ctttccanaa tggacttacg gatgagggat ggggaacctg 600
 gcttcttttna atcattaatt gaangtctgg cggngaata gaagaatgcc aaggacnccc 660
 tggcaaagnt tggaaaacag gncttggggn aaacccccct ggcncaacn naacnttatt 720
 cgnggggaaac cnttgggagg gaanggaaaa aggaaaaang ggggannaaa aaggngggaa 780
 ggaaaaaatt gaaaccaana gccnngngg anaaaccagt tttttaaggc cgtnnttacc 840
 aaaagaactn tttttttttt naaagctcna aaaaaaaaaa aaaaaaanaa ctcggggggg 900
 gggggccccc gnccccaaat ttnccctttt nngggngn nnnnnnnna ananagccnn 960
 nnaaannngn nnnnttngn nnaaanttan nccnngnntn nnnnnnannn ntttttngn 1020
 nnntttnggg ann 1033

<210> 1572
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1572
 ttggaaacn ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggntt ccttatttnn naaatnggnt cttaaaatag gttcatacta tcctttgngn 120
 agaattgaaa acctgcaaga atgttggttca tacatatcat ggaaattgca cagtaaggga 180
 gattttcatg taagatttgt tgaactantt gcattaattc atagccatac ttgatgaatt 240
 aagtcacagt ggctgacatt gattctgaat aaattgacct aaataagtan gtattaatgt 300
 actctnatct aaaactaatt tagcatatth gttctgtttt tgaaagaaca ggaattgccc 360
 tttaatactt gtttnaaatt tgagnaccta aaccttcaca cgagtataga ttcaaaggn 420
 cacatacatt acttttataa agnccgttat tattgattta ttttaacccc naatctgaga 480
 canatnaaat attgntntat ttgaaaaatg tcntttcttt ccattactgt catctnacat 540
 tcccccatc ttgaggggaa ngantcagcn ctanggtgnt ttnatggatg tgagtatttc 600
 tcattttttac ataaaacttc acaatttata cttctccaat ctcttaccga actttacana 660
 ntttaaaaaan nantcntttt anggcctanc nanannaact ngnttttntt ntntgngann 720
 ancagnannt tntttattnc cttnatcccg gcccnttttt attttngact tttanncctt 780
 tannttnttt tagnncccct gtnttttntt tnttattatn tcnannccnt atntnntntt 840
 ctctttaann ntnttttata nntttcactt tgtttttatt tantnantca tcanntcttn 900
 cntnntanta tnnattntnc tantatctct ntttccatnc nnatanaat tnttatntca 960
 tntatnnttt nnctcntttc g 981

<210> 1573
 <211> 981
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, c, g, or t

<400> 1573
 aaanctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60
 ggaattcggc acgaggatag acttaaacga atacattaac ggtgctaaac acagacattt 120
 taacccaagt cagcaccattc ttagctgtaa ctacagctctc acggcctctt gctcaccat 180
 gaatgggtccc gttttcctct tgccgcgtgc acctccaccc attgtcttgg tggcacatgg 240
 gtggaacact tgatctgctc gagtctgcct tcaacacaca ttgcatcttc agattttcta 300
 cttttctgtt caaaactaat attcaccaag tcagactttg tgttaatttt atatcagggt 360
 attggctgcc aggggggtcat ccctaagtgg cctgaagatg gacaaaggga agtaacaggc 420
 acgtgatgtt ggcaaggatg cttctagggc tagaggatca gtgggtgggag agagctgcag 480
 aatccaccag ccagaactgc agataacgaa tcttatggtc aggggctgtg actgagagaa 540
 ggaaactgag gttgtgttct gaaagtacat aaactctcac atataccag ttcttcacca 600
 tctcccctcc tcactttgca gtgccatttc tttttgcatt angcaatttg ctacagacttt 660
 ccaaagccat ggcccatccg ttctctggaa tccccacac cttctgagan gtggatcacc 720
 acgtcctgca nggctgctcc cttccaaact acctttaaga agatgcagga caggggagct 780
 gtttcaacca gaaagaccaa aatcaanncc gaggagccaa acgtggtaaa acagaaaaan 840
 ggcagggggc naaatggttt ncttttgggn ttnggtttc tttttttcca tctgggatgg 900
 gtggccccan anantnttta ntgcntaac atggtncttc tttttttccc ttccaantt 960
 tttttttttt ttaatnaaaa a 981

<210> 1574
<211> 1010
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1010)
<223> n is a, c, g, or t

<400> 1574
ncnnnatctg gagctccanc ncngtggcgg cccgctctag aactagtgga tcccccgggc 60
ttgcaggaaa ttcgggcnac gagggtcacg caggccctgc tgggcccgcg gtcctgcct 120
cggaccaagg aggagaagca caanccagcc cccaggagg actcgggtanc tgccagcaag 180
caagcttccc cagcccccaa catcagcagc ggctcccaga ccccccggcg gaaaaagncg 240
ccgtgatctg tcagccacat gtccttagag ggtcagggtc gcgcttgctt ctggctctct 300
gccacaggag ggcccagccg ccgtgcctta gccagctgcc atgcatacgc angtcagggn 360
gctggcctgt ggggggcgcg agcccttctg cttcaagggc atccccccac cccaccacg 420
tccggtccca ggacaccctc tgacctgctc gacggcccag gagggccatg tgtgacctgg 480
caatcgggga cccttgctct ntgccccac ggcaggggtc cgagtctgag cccaacccc 540
ggctcctgca cacggggtgg aggtagggtg gnatgaagct gaccttgctt ggggagagga 600
gggaanaccc ccanggtctn ctctacagca ncctgtctgn ggtccgnatc cgtgaaccaa 660
taaaggcaat tgtgncttga cccnnntgn nttnananna annaatttgg ggggggggcc 720
ccnaacccaa attnnccntn nanggggnnn nnnntnacn nnnnnnggg nnnnnnnnn 780
nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn nnnnaannna nnnnnntnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 900
nnnnnnnnnn gnnnnnnnnn nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnntnnnn 960
nnnnnnnnnn nnnnnnnnn nttnnnnnnn nnnnnnnnn nnnnnnnccn 1010

<210> 1575
 <211> 1128
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1128)
 <223> n is a, c, g, or t

<400> 1575
 gncctatagn ggangncgna ttncagggc ggccgctcta gaactagtgg atcccccggg 60
 ctgcaggann ncgcatnat gnanttttgn tgccctnaac cttcaacgag gntcncggga 120
 anntgannna catantgtnt annaaatttc aanannancn gatcntggat gaanganatt 180
 ancgaggan cntccantgg tnnnctaant gganncncaa actggtnana aanntntaan 240
 ncntnnnnnaa anccgataac nccnatattt ntnntactt ctgnnnagna tatctncccn 300
 nnacnnnata gcaagtcnnn gcgnantntg angntngact cttnnnnana anannganna 360
 naccatccnn cattntnat cnangnaagg aannanangg cnnatcannt tnagnnancn 420
 nccncntttt tantcntngt attnngtnga ntnaannant nncnnannaa ntcnannnna 480
 cnaagggnaga aaagtntctnt tnnnntnnnaa taanatnana gnntacnttg tntnatcat 540
 tcgngctgcn cnnnnnnnnn anagntatnt gnnnntntnn tngantgnnn nngggnaagn 600
 nntanantnn actcacngta aagnanncn ntcnntctcc tagcancntt tcgtnaccaa 660
 nncctcctcn caaaagnagn atntaangan atgatgcnaa ngctcnccaa acnnnataac 720
 atnntaancn ncnnaanantt natcantann catntnnang tnnngnnnncc acattcccat 780
 atcatatacc annntttctc ngncctgncc acgangtttn tnatancaat ntngnnnncc 840
 anntgnnnnc ntntntntna tncannnatn naaagccntt tcgntcacn anntntttct 900
 tntntcnaa tnncnctta nnncanaact aannccatn nagtnnnntn tcnnatnttg 960
 nntccnanac ngncganctn nngnccacgn tnnanganagg ancnngntc atanccatca 1020
 ngaancnag tcnatatcgn cctccntcaa ntngacatnn nnacgtnnnc tttcagntgn 1080
 ctcgntncnc nnatgcgngn tactanagan ttnnnntgnc gntngncg 1128


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<210> 1576
<211> 971
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(971)
<223> n is a, c, g, or t

<400> 1576
ttnagnntat ctggagctnc accncngtgg cggcccgcgc tagaactaag tgggatcccc 60
cggcctgnag gtcnagtnt tttttttttt tttttttttt tttttttttt tnaaaaannn 120
nntttttttt nttttnaaan cnnnnccntt tttttnnnnn nggggggnncn gnnnttcccc 180
cccccccccc ccccnnggnn ncnnnnnnnn cnaaaaaann nnnnnnggcnn ttaaaaaancc 240
cnnnaaaann gggccccggg ggggggnntn nnttttnggg gggnnnaaaa attttttttt 300
taaaaaaaaa aaaaannntt tncccccccc cccccaantt ttttngggng nccccggggg 360
gnaaaaaaaaa ncnntnngn nttnaaaaaa annnnngggg gnttnnnntn ccccccccn 420
tttngggggn nggggggnntn ntttttttng gggcccnnaa aaaaaccccc cntttttttt 480
ncnnaaaaaa caanngggnt tnttttngaa aaaaccccc ctnnttttan tccctngngg 540
ggccanaaaa nggggttttn nnnaaanatt nggcggggnt tttnttttnn annctttttt 600
cccccccccc aaaaaaaaaa aanggggggn nttttttttt nggggggaaa aaaangncca 660
naaaaanncc ccccttgggn ggggggtttt tcnctggggg anattttttt tntccncccc 720
ccaagatttt ttctnaantt ttgggggggt tnttnnnngg ngaannaaaa aaaaantttt 780
tttgggttnt aaaaaaaaaa aaaccccccc cccccccnn ttttttnggg ggnccnnaaa 840
aacnaaaggg gggggggggc cccnttttna nacncccccc gggggggggg tttttttcnc 900
cangnggggg ggggggnncg ccncntntt tttntttttt ttttgngggg gtntntaana 960
aaannnnncc n 971

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<210> 1577
 <211> 971
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(971)
 <223> n is a, c, g, or t

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<400> 1577
ttnagnntat ctggagctnc accncngtgg cggcccgcctc tagaactaag tgggatcccc      60
cggcctgnag gtcnagtntt tttttttttt tttttttttt tttttttttt tnaaaaannn      120
nntttttttt nttttnaaan cnnnnccntt tttttnnnnn nggggggnncn gnnnntcccc      180
cccccccccc ccccnnggnn ncnnnnnnnc cnaaaaaann nnnnnggcnn ttaaaaaancc      240
cnnnaaaann gggccccggg gggggnnntn nttttngggg gggnnnaaaa attttttttt      300
taaaaaaaaa aaaaannntt tncccccccc cccccaantt ttttnnggng nccccggggg      360
gnaaaaaaaaa ncnntnngn nttnaaaaaa annnnngggg gnttnnnntn ccccccccn      420
tttnnggggn nggggggnntn ntttttttng gggcccnnaa aaaaaccccc cntttttttt      480
ncnnaaaaaa caannnggnt tnttttngaa aaaaccccc ctnnttttan tccctngngg      540
ggccanaaaa nggggttttn nnnaaanatt nggcggggnt tttnttttnn annctttttt      600
cccccccccc aaaaaaaaaa aanggggggn nttttttttt nggggggaaa aaaangncca      660
naaaaanncc ccccttgggn ggggggtttt tcnctggggg anattttttt tntccncccc      720
ccaagatttt ttctnaantt ttgggggggt tnttnnnngg ngaannaaaa aaaaantttt      780
tttgggttnt aaaaaaaaaa aaaccccccc cccccccnn ttttttnggg ggncccnaaa      840
aacnaaaggg gggggggggc ccccntttna nacncccccc gggggggggg tttttttcnc      900
cangnggggg ggggggnncg ccncntnnt tttntttttt ttttnggggg gtntntaana      960
aaannnnncc n                                                                971
  
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<210> 1578
<211> 939
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(939)
<223> n is a, c, g, or t

<400> 1578
ttnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
ggctgcaggc aggatcaagc gattcctggc caagaaacaa aagcagaatc gtcccattcc 120
tcaatggatt cgaatgaaaa ctggcaataa aatcaggtag aactccaaga gaagacattg 180
gagaagaacc aagctgggtc tataagaagc aagctgggtc tatgagaagt ggtcttaaca 240
tgtagaccac ttttttaagc agccagatca caatgaaaac atcactactg taatgcttgg 300
cccatgatgt tatttcctca ctatcagtct gagaccacgc aataaatata aaacgttgca 360
aaaaaaaaaa aaaaaanntg gggggggggc cggnncccaa ttcccccntn nngggnnccn 420
nntanaannn gannntanca ttattggntg cnnnctgata aacnnaacca tttgcaaacn 480
tgcccttann gggacnttgn tttgntcttt gangncnttn acctttgnng accctnacct 540
ctncaaccan canntnatnc attacctncc anncccantt tnccttttgg naaaantann 600
gnggcctggn nnntggganc ccnnccctgg gctnaagnn nanntntgnt nttgnnnnnn 660
ngnncannng gnnanaaaaa ntacctntnc nnnctttnnn ntgnnncttt ttnnnaaanc 720
nnnnnnnnna nngnnnccct annnnnttn ggngggntnn nnnnnnnntt cnngnngnang 780
ggcnnnnnnn nngggntngg nnnnnnnaan nnccttngnn nannggnaan gnnntttnnn 840
nngnnchnang gnnngggggg gggncccnnn nnnccngggg gnnnnnnnnn aannnnccnn 900
nnncnttttn gggggnttnt nnnncccntn nccnngggg 939

<210> 1579
<211> 982
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(982)
<223> n is a, c, g, or t

<400> 1579
ttgaaaaanc tggactccac cgcggtggcg gccgctctag aactagtga tccccgggct 60

gcaggnaant gctgnnacgc tcnngccnct nggntatgtt ngctctcncg nngnngntgg	120
antaantgnn nttncntgnc cntcntgcc ctttggtcct tgaggtgnta ctgtggannc	180
tggncctgnt gntnctcccn gccctactgn annnnttga cancnaggtc ntnnctgngn	240
nngctatnan tngactntcc tgnccncccc anatcnaaag aangatcacg atggaggccn	300
cnacnanngn actnangatg ccnctgagng ccgagaccgt nanctcnngg tggcnccccc	360
ctcntaaccg tnngetgnen gntngaaaac anccgnagcc cnaanggnn ttttcnaana	420
acnctgccga tnatgacgtg acgnaagnat gtgccctttg attggcntga accgntnatg	480
ttgctggacc ctaanaangg ttggatcang atgcctnnng gttttnggaa cctggcaacc	540
cgaganaact ttggattacn canngaanc ctttttgacc aataanaaat gggttttttg	600
ggnnnnnaaac nccaaggaaa aaaaggcagg gntggtancc ngnnntngna ttaaaccccc	660
ttttccaan tttangtttn ttggggggan acggtttccg aaacttggca aaggggnanc	720
gtttcaaaat taatttttct tggacactng aantccaacc ccngggcttt anaaaaantt	780
tttacttttc tatttgcaaa aaaaaatttt tttttttaa ttgggcnnaa aaaaaaatng	840
gnanccnttc ngganggggg ctttcttccc ccaagggttt cccattnnaa atgggggntt	900
tcggcccnng gggnnaaaaan nncggtttta ccttaaaggn gngnacctn aaaangggtn	960
gccnaaatcc ccccggggac ct	982

<210> 1580
 <211> 996
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(996)
 <223> n is a, c, g, or t

<400> 1580	
tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggcacg aggtctcgct ggggtctgag ccgagccgag gcctggctgc	120
tcccgcgcgc cacaagctgc tgtcaccggg ctctgcacag acaggtagag ggcaccgaat	180
tccggagcgc ctacagcctg gacaagctgt acccggaatc gcggggcgcg gacaccgcct	240
ggaggggtccc gggcgacgca aagcaaggca acgatgacat tcctgtagat cgcttgacga	300
tatcttactg tcggagcagt ggtcctgggg gccagaacgt taacaaagtg aactccaagg	360
ctgaagtcag gttccacctg gcaagcgccg actggatcgc agagcccgtg cggcanaaga	420

tggctctcac gcacaaaaat aagatcaaca gggcgggaga gctgatcctc acgtctgaat	480
acagccgcta tcagttccga aacctggcag attgcctcca gaaaattcga gacatgattg	540
ccgaggccag ccagccagcc acagagccat ccaaagaaga tgctgcactt taaaaactca	600
ggatagaaaa catgaatcgc gaaaggctcc gaaaaaaaaan aataaacttt tgccatcaaa	660
aacnagcang gagggtcggt accggacttg aaagcacccc cttngagcca gcanaanccc	720
cttcangggc ancccangtn ggctcgggac acccaggaaa aacgggngtc tgttcgggnc	780
anctggttcg gnnttttacg tngggaaccc gtnnnaaann aaggnnccnt tcgggaaaac	840
cnaagggttt taaggcccct tgggtcccccc cagggnnttt tttaaaggggg naatnnccgg	900
gtttttnncc nccctttggg taaancccan ggncccgggn ttaaannggc cattaaaaat	960
tntttaaac ccnaaaaaaaaa aaaaaaaaaa aaaaaa	996

<210> 1581
 <211> 902
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(902)
 <223> n is a, c, g, or t

<400> 1581	
ttgancaaca gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcaggc ttgattttta gaagaaaaca gccagactga ataccaccca gtgacaccag	120
ngcaggtaat aagcaccacc catgttgcac gtcaggcaca cttaatcctc taccctacca	180
ggaagatcga agagtaattt gttctggaaa ataactatta tcttgtctgt tagttcatgt	240
atcataaatc ctataactgt atgtggcttt gctgcttatt cttacacttt catcagggtcc	300
caaagacata tttcctcagc actgacagtg ttacagggtac agtgtattgt acctgtaaca	360
atcttcacag gttttttgct gtatatagga tacggtcttt ttgctgtata taggatacag	420
tcagattatt tgattctata tacattttaa ttcagttcaa aggacctttt aagacagcac	480
catttttctc acaatataga ctttgctggt ttccagcaca tgaaatacat ctccctgacag	540
aatattttta tgacacatga taggggtgtca gtcagctgat ctgtcattag cttgtatatt	600
tctgcccag accagtcctt agtattccag tactgatttc aggcagcatg tcttctgaat	660
gaatatcctc agcagcctac ttgntagcat gtatttattg ncatctggtt anaaaacagt	720

gagccccaag ngattaccgg nccttgnttc agtcccactt attcaggaaa ngggaatncc	780
anaatcatgg atcccccaaa aaaacctcgc cccttccann gaaaccgacg ggaatgggaa	840
atgtgccctc canaaanttt ttggggaaaa ngggcttggc aatcaaatca acntgggnact	900
gg	902

<210> 1582
 <211> 1551
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1551)
 <223> n is a, c, g, or t

<400> 1582	
nncntctan ntcgtaaaaa atnnttnccc tcnncncncn ccccccaac cgctccncca	60
actcatctta ccnacctccc canngnnnnn nnnntnnngtn ctcactnccc ttgagnnnca	120
actggactcc acgcgngggc gnccgctcta caactagtgg atcccncng ctgcngntaa	180
ttcngacncg agggntanac atnctgcctc cccctactca cntnnctntt ntaggcctta	240
ttacggacna anggttantt actcnncttt cctntntcnt tntcacatcg nnnnacnntn	300
nnattntaan antantnttt anatacctnn tnaactanaa tccatccncn ttnaatnntn	360
tntngncaaa atatncattn ntanacntan ttgtcnatgn ttntntaaat cnnnttttac	420
ttnnattnnn cntntnaaan nntttntnn acnctacttn natgnanttt tnnannnttn	480
ntnttanntt cnttatatnn ttttatntgg ntntnttcnn atcnaaacta tatnatntnn	540
tcttnntan aantacanag acantcnttc ttatttacct actntttttc tcncccatat	600
nttnantctt ccttcatnta annctacanc ntncaaattt ttatcatann tnnntctntn	660
nncntccngt nttatcatnn nttncngct tacntanctc tnncantntt cttattnttt	720
tntnannttt tnnncanctn ngctacncct aatctccctn tnnntnaangn tttcaaacna	780
nnttnatant tnattcccan tatannctac ttnnacaanc nnttcctatt ntntnatnt	840
nntcaatnnt tcnttnttct atcnntaatn nanannnnta acnanccnt tnanttccat	900
nattttttna aannaannta nntcaatnga nnatcncgtt tttattccgt cnnctnntta	960
cgnctanttc ttnntanant anntttntct tttttctat nngtacnntt nnactcnnct	1020
acntacnncn ttnntctgnt cnatctntaa natatctcnc atatactntg tnnnactnnn	1080
tcctentatc ttatattanc tcanttacnt cactttcnc agnnnttnca tntatngttc	1140

caacntactn	tntatntgat	antctntnca	ctcacanntc	acnntctntc	acanttcata	1200
ttattacaat	atacnncacn	natacnnnna	ntcnctnnca	tncttacatt	tntgttcnnc	1260
ntatnattct	nnnncatnnn	attntgagtn	nttatntatc	ttcnntantc	tcncncgacn	1320
tantntntnc	ttaactttat	ttnnactntn	natatatntn	ntntcangat	tnactannnc	1380
ntnttttata	tataangata	ctanttngtc	ctatnacttc	ntctntatan	ctttacactn	1440
nctnnctca	taacntnnntn	nttcttntct	nttctcaatc	gntccgacnn	tcnaccanc	1500
tnttcactcn	natatcgnct	gacnctgcan	gtttactctn	natcctctac	c	1551

<210> 1583
 <211> 988
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(988)
 <223> n is a, c, g, or t

<400> 1583	
aaanctggag	ctccccgcgg gggcgggccgc tctagaacta gtggatcccc cgggctgcag 60
gctttttcac	tttgtctgagg ccaagttcac agcaggggac ttcagcacca cagttatcca 120
aaatgtaa	aat aaggcccaag tgaagattag agcaaagaaa gataatgtag caggtgttac 180
attgccagta	tttgaacatt atcatgaagg aactgacagt tatgaactga ctgggtttagc 240
cagaggtggg	gaacagttgg ctaaaactgaa gaggaattat gccaaagcag tggaactact 300
ggtggaactg	gcttactctc agacgtcctt tgttactttg gatgaagcta ttaagataac 360
caacaggcgt	gtaaacgcta ttgaacatgt catcattccc cggattgaac gtacccttgc 420
ttatatcatc	acagagctgg atgaaagaga gcgagaggag ttctacagat taaagaaaat 480
acaggagaag	aaaaagattc tcaaggagaa gtctgataag gacttggagc aacggagggc 540
agcccgga	gag ggtgatagag cctgctaata tcctggctga agagaaggat gaagatcttc 600
tgtttgaata	agctttcctg ctctggttct ttcagaaggc ctaacatgtc accattttaa 660
ttcatgggtg	tgtanggttt gttgnatggg tattttattt ttggcttaag aattccccca 720
gttgnaaaat	ttcccctgaa tgtcttgttt atgggatcta cgtttgcan aatcataatt 780
aancaacaat	ttatccccca atgaaanttt gtagaacctg tccccaaacc tgtaaaaattt 840
ttgcctgnnn	naagggnnc ccttctttna ntttttactt cngnnacaag gggttttgnt 900

ttcccaaana tanaaaaanaa accccttttt nggaaccant nntnctggcc nnttnntccc	960
aaannccctt tgntnccncc ggccccc	988

<210> 1584
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

<400> 1584	
ncnnnatctg gagctccacc gcnggggcg	60
gcagganccc nccnttcnaa ccgaggngcc cctnnnnncc nacgncncc gnnanaangt	120
gaccacatn atgttcnaaa ctntcnntgn cncaaccgtg tatgtggana ttcaggcgga	180
gctnccctg nacgccnctg gacncacaac tgnctnngtg cttnactntg gaganggcnt	240
naccacggn gggcccannc atgagggnta cncctgccc caccocattn tncgnntgga	300
cctggntggn caagatatca ncgantacct catnaagana ntgaccgaac aaggctntta	360
cttcttgacc nccgntgacc ctgacattgt cctatacat cnnngngaaa ctgtgcttgc	420
tagncatgta ctctganaat gatatggtna ctgncgnatc tctnctcctc cctgaaaaag	480
anctatgatc tgctgatng gcaagcgatc accatcanga atganctgnc ncgctgcnct	540
ganaccctgn tccagacctc nctcatagnn atggnnntat gntgncatac tacgatacca	600
ccnacaacn taattcatga ngtgtgaana tnggctatac aaanangnga cgctcttatg	660
ctnaacaatc gtancttctt nncnngggtg ccaccatggt accncatnan ctttnntngt	720
ccgaatgcc ttngngaana ncacggccca tgggncccn cggncnatga ngnatctngg	780
natnatnccc ccttcccga gccnccaagn tcttctctgt cngaatttg ntnggattgc	840
cataccnagg ntcttcttt gnnncacct tcccnccaa anttgnggga accccnaa	900
caggaagttt cnaacggaag ncccggcccc ntctctntt nccnccgnt naatgggttt	960
tttcccnca cccccctc ccncc	985

<210> 1585
<211> 951
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, c, g, or t

<400> 1585
gcctatctgg agctncaccn cnggnggcgg cccgctctag aactaggtgg gatcccccg 60
nctgcagnan ttcggcacga ggcgacggcg gcagcgggcg naacgggact ggaggnacca 120
ncggaangna ggnggntnct gcagccgncc cnanngnan gncctcngaa ggnnncngna 180
nggttnaanc cntttnttt cccntnnnt ttntaacnnt nttaaancnt ggantncnt 240
nccccnnnn gaagggcngg cnannccagn gaatggggcn ttnaannga anccagaagg 300
cccaaattatt gaagggaaga acntctttca acngctgtcc ccacntgga agaanaatta 360
tcattgacac aggaaattat tacaccccg aggagcnctn tanacacgtn ttnacaggag 420
ctctngntc tnggttgga tacnncangg gggccgcctg anccctcnga catanacntg 480
catatacang tgtgcgagat aattnagagc cctctgtttc ttatattgaa ccctatacca 540
cccacacana tattttgtca gngtcnttga gaccgccnta tatataatca angngagcc 600
nccatgctgc tggctgatnt ganctacnct ctgnncacca aagaagnggc acgcctntgt 660
tggtggacca cntngtccc natganaaca acangcaggg ggagaaaaac taccctggtt 720
aaggnggggt tgcattggngc tttccttcca aaaaaaaggg ggggggggnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc t 951

<210> 1586
<211> 951
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, c, g, or t

<400> 1586
gcctatctgg agctncaccn cnggnggcgg cccgctctag aactaggtgg gatcccccg 60

nctgcagnan ttcggcacga ggcgacggcg gcagcgggcg naacgggact ggaggnacca	120
ncggaangna ggnggntnct gcagccgncc cnanngnan gncctcngaa ggnnncngna	180
nggttnaanc cnttntnttt ccctnnnnnt ttntaacnnt ntaaancnnt ggantncnt	240
nccccnnnn gaagggcngg cnannccagn gaatggggcn ttnaanngga anccagaagg	300
cccaaataatt gaaggggaaga acntctttca acngctgtcc ccacntgga agaanaatta	360
tcattgacac aggaaattat tacaccccgaggaggcncn tanacacgtn ttnacaggag	420
ctctngnntc tnggttgga tacnncangg gggccgcctg anccctcnga catanacntg	480
catatacang tgtgcgagat aattnagagc cctctgtttc ttatattgaa ccctatacca	540
cccacacana tattttgtca gngtcnttga gaccgccta tatataatca anggngagcc	600
nccatgctgc tggctgatnt ganctacnct ctgnncacca aagaagnggc acgcctntgt	660
tgggtgacca cntngtcccg natganaaca acangcaggg ggagaaaaac taccctggtt	720
aaggnggggt tgcattgngc tttccttcca aaaaaaaggg ggggggggnnn nnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn	900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn t	951

<210> 1587
 <211> 992
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(992)
 <223> n is a, c, g, or t

<400> 1587	
ttnannacnn tctggagctc caccgcgggt ggcggccgct ctagaactag tggatcccc	60
gggctgcagg nntnnatccn tgcncatccn aaaggatgat gaagttcagg ttgtacgang	120
gcntacaan gggcagcaaa ttggcaaant agtccagggt tacaggaaga aaatacgtn	180
ntctacattg aacgagtga tctgggagaa ggctaattggc acaactgtcc acgtgggcat	240
tcaccccgagc aaggtggtta tcaccanact aaaactggac aaagaccgca aaaagatcct	300
cgaacgtaaa gccaaatctc gccaaagtagg aaaggaaaag ggcanatata angaananac	360
anttggagan atgcatggaa taaagtcac ttgtctacag ctttcattaa aaactgttaa	420
aatgaaaaaa aaaaaaaaaa nntggggggg gggccgggac ccnntttgcc cttatngggn	480

gtganaaaagn tnnccgatggt ggccgnttct accgggctga tgatgccaat gtggncctgt	540
accgtgacct tnaagtgagac accacccttc aaaanccctg anccagnnga tcgagaacat	600
ccngagccct tgaaggcnnn cgnaagaacc ccgccccnc cttncctga cctcaanang	660
ttncctntt tgactggaaa aaacgganaa atacctggna ttgaccccca acccangnt	720
tgcnancctg gattncccat ttaaggntnt tttggnaann atgggaaacc cgggngaaaa	780
cctttgtttt tccccccct tcnnccann ngngggccca aaaaaaacn tggtttttn	840
anccnngaaa ccccnangg naaaaaaagg ccnttntgg gnaccgggn agagnctnn	900
accgncggn atttncantt tnnnttttg nnggncnng gggccccna nccttccnt	960
ttngncnt ccnnntnnan ttttccttgn cc	992

<210> 1588
 <211> 998
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(998)
 <223> n is a, c, g, or t

<400> 1588	
ttnaaaaaa ctggactcca ccgcggtggc ggccgctcta gaactagtgg atccccgggc	60
tgcaggaatt cggcacgagg caggcagtcg tcagtcaggt gctattgtgt cctgggggtg	120
ggagggcctc ctgaggctct gcctgccttc tcttcagccc cactgagcgt cagcctcggg	180
gtctcctgag tcagaacctt ccctgctgtc tctggtggtc actcagggt tgcagggtgac	240
cacaggccct ccctcganag gaggggctgc cgatggnatc tccacacata ggcactggcg	300
gttgttccgc ttgtccaccg accttactcc ntgcccgtcg tctgtctcgg cctgtctggg	360
aatcgccaac aanagcggct tctcacgggc ccttggtgtg gtggtgnccg ccttgggggtt	420
cntttttt c aaantaagan gcgaacctgc anncagtaac ccttgcaactt cctgcaagga	480
caacaaanng ngaagtcaact gngaacaagc nttnttaaaa aaaaatctga aaatagtcct	540
aantggccaa aatggtttaa acgaaaaaaaa catttgacct ttgggaaaga aagggaaccg	600
gcnccaaaag gtaggggggg gccattccgg atccangggg tcaaaanggc anttggcaca	660
accggcccaa tgtggcctgg ttaancccat ggaatntggg gttgaancct aanttcccc	720
ccttacantt ttacanaacc aaaaaaaaaa nccttttaaa aaaagnccct tttgggcnta	780

nattcncntng aattncntng gggcantttg gnnagccaan tggaaagttt tttttnaaaa	840
ccntttccctt aaaaaataaaa aagnnnnnggg naaaattttt aactttttaa ggcngggngg	900
ggnccaaaaa aaccttttgg nnnnaaaaaa ctttaaaagg aaccntttgg ttttaacctt	960
tggnaanggn nngggngggg naaaaaaac cccnnntt	998

<210> 1589
 <211> 983
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(983)
 <223> n is a, c, g, or t

<400> 1589	
ttnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggcacg aggctgcagg caggttggtg ggtttcgagg ccaacggggc	120
caacgggtct aaagcagttg caagaacagc aaggaaaagg aagccttctc ctgagccaga	180
aggtgaagtt gggcctccta agatcaatgg agaggcccag ccgtggctgt ctacatccac	240
agaagggtc aagatcccca ttactcctac atcctctttt gtgtcgccac caccacccac	300
tgcctcacct cattccaacc ggaccacacc gcctgaagcg gcccagaacg gccagtcccc	360
catggcagcc ctgattttag tagcagacaa tgcagggggc agtcatgcct cgaaagatgc	420
caaccaggtg cactccacca ccagacggaa cagcagcagt ccaccctctc cgtcctctat	480
gaaccaaaga aggctgggcc cccgagaggt ggggggccag ggggcaggca gtgccggagg	540
actggagcca gtgcaccccg ccagcctccc ggactccttt ntggccgcca gcgccccact	600
gtgcttgcac cctntgcat gaaccgntg gaggacaccc acttttgtgc agtggccctt	660
ctgttccttc gcacaagttt tgctttccct tgctccaaaa caaagcatta aaacagcang	720
ggaactaagt nggagaggtc tattgggtccc agtgggggaa aaaatgccct ntttgnnggc	780
ctccaaatgt cccctgggn cctttattgc aanggggaaa attgcaancc tttcnttngn	840
ttgganaatt tgaaagtgn aaaaaanaaa aaanacttc gggaantttt cgggttcaaa	900
aaaaancccc atggantaaa tctttaactt aaaactgggt tngaattgga ttttatattt	960
tccccctttt ttttttttn tnc	983

<210> 1590
<211> 947
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(947)
<223> n is a, c, g, or t

<400> 1590
ttnnncaaaa ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggcg aacagtcctc acgccgatct ctttcctggt tcccacccgc gccagggtgac 120
ncggagagct gacaccatgg ttnatnaggn gctctaccgg ncgctggtct ccaccaagtg 180
gntgncggag tncgtccggg ctggnaaggt gggccctggc cttcgggtgc tggatgcgtn 240
ctggtactcg ccgggcaccc gcgaggcccg caaggaatac ctggagcgcc atgtgcccgg 300
cgctccttt tttgacatan aggagtgtcg ggacaaggcc tcgccttacg aggtgatgtc 360
gcccagcgag gcgggcttcg ccgactacat gggcagcctg ggcatcatca acgacacgca 420
tgtggtggtg tacgatggtg acgacctggg cagcttctat gcaccgcggg tctggtggat 480
gttccgtgtg tttggccacc gnaccngtc cgtgctcaat gntggctttc cggaactggc 540
tgaangaggg ccaccccggt gacatctgag ccctcacgcc caaaagccag ccatcttcaa 600
aagccacgct gaacccgctc ccttgctcaa agacctacga acangtgctg gagaacctcg 660
aatcaaagaa ggtttcaact tgggtggaatt cacgggcccc ngggccggta ccttggccac 720
acaagcccgg aagccaaaat gcaataagga acttggactt cgggccacaa tnccaaggct 780
tnggncnaac aatgcccttt tattgaactt tccttaacgg gaggaatggg cttttgnaaa 840
aaaaacccca aaaggaaact tcccgngncc attgtttcca agggccaaaa aaaggngnga 900
ncctttaana aaagncccct ttatttggcc acaattggcc cggaag 947

<210> 1591
<211> 1023
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1023)
<223> n is a, c, g, or t

<400> 1591
ggagctncac cgcggtggcg gccgctctag aactagtga tccccgggc tgcaggaatt 60

cggcacgagg gncctcance tnttttcccc gcgcccgatg ctctgtaaga gcctgctccc	120
catngtggtc nagcatgtga cgagccacnc gcggncccgc catnagggtcc aggccctgcct	180
gctgctccag aagaccctgc ccacacggga gctacgcgtg tgctttaagg acccagagn	240
gangcagcct gatgggccag accctgggga angtcaccga taccctgctg acgctgccag	300
aggctgagac caatggcagg gnaccanaag gatntggngt ccttggagct gctcancact	360
ctgttcagga atttccatca tgataagntg accatggacc tgaccgccgt gctgggccgt	420
gctgcanagc cagcagctaa ngctgcagna naggcnacag cagggggagc actcgggcgg	480
atcngccgn cttcacgacc tatactggcn ggccatgaag tttctcggag tccagcgccc	540
caagtcagag aangatacca aggaggcccc ntcaggccac acagntagag cccaggttag	600
catganncg aagaaaaagg gcttcttgcc agagaccant aancgcaaga ancatnaanc	660
cntgnagcca ccactccatn gaggcggcgg gcggctnaan cccgaagcca ccagtggggg	720
accatcccc cncgccggc ctngaagaat aanaantaan naagnnnatg aattaagaac	780
catnttcccc nccncttgt ncccaaatga antggggaca ncctgggtgc caannantcn	840
aaccataan gcctccttgc tggnnagccc cnnnatccc ctanccanat acccnaatn	900
ccccagaaa aanacccaa aantctggcc cannnanaac cnaagncnt ccccttggcc	960
tnantaaatn cccccgggg nagccantgn tcctaaaaac ntnncaaaaa acctaccccn	1020
aac	1023

<210> 1592
 <211> 1032
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1032)
 <223> n is a, c, g, or t

<400> 1592	
gcncactagg agctncatcn cngtgggcgg cgctctagaa ctagtggtac ccccgggctg	60
caaggaattc cggcacgagg ctctgtgtcc gtgtcctccc gcgttcttt gntcgtcttt	120
ccgcaccccg nggcccgtct cctccatcga tcgccatgga agaagaaatt gccgccctcg	180
tcatcnacaa tggttctggc atgtgcaaag ctggcctttgc tggggatgac ncccccggg	240
ccgtgttccc gtccatcgtt gggcgtcccc gacaccaggg cggnatggng ggcatggggc	300
anaaggacag ntacntgggc nacgagggcc atagcaagcg tggcattctg acccttaagt	360

acccnatcga gcacggnatt gtcnccaact gggacgacat gganaanatc tggcaccaca	420
cctttttacaa cgagctgcgt gtggcccccg aggagcacc cgtgctgntg acgngggccc	480
ctntgaaccc caaggcccaa ccgtgagaaa gatgacccan atcatgttcg agacgttcaa	540
cacttcttgc cattgtatgt ggccatccag gcttgtgctt tnttttgtac ncctctggcc	600
ngcaccattg nnnttttcat gncctctggg gacggggtn cccacacgg gggcccantc	660
ttacgngggg gntcgcccct cnccccaca nccattncct gnggtttgna acctgnctng	720
cccnggaccc tgaaaaantt nnnntnntga aanatcctcn cgggancgtt ntttacngct	780
ttaacncccc aaccggnccg ggnaaaattn ntccctcnna atnnaaagan aantnttng	840
ttcctnnagc ctgggnaatn nnnnacaagn aaatgggctt tncgctngnn tttttcttc	900
tnnctttgga aaaaaanctt tttanccttt cnnaagntgn tnnggtatnc nccnnttggc	960
nanngntngg gtttcnggtg nncnnnnntn tntttntca cccacttttt nangggatt	1020
gncntcctac cc	1032

<210> 1593
 <211> 913
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(913)
 <223> n is a, c, g, or t

<400> 1593	
naaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcg gcacgagggg gtattttaat attttatgaa tgccttttgt tctcaatttt	120
gaggcataaa ctgaaattct gaacctactg gaaaagactt tacttacttc ttgatacact	180
tacaacaagc ctgtgagaaa gtagcattat ctttttactt atccaaagtg gaaaggaatg	240
gactttgaac tcaaacctag gtctagttaa cgacgaggcc tgtgctctta actgatacat	300
cagaccacct gggtgcatgc tgcttctggg caagcgaact agtgctggat tggctaaatg	360
ttcgtttttt gttgttcaat atgaagtcct tttggtcttc agataactag atacaggata	420
aacagtatct aagggttggt gttttattgt tttaaagcat ggatcaatta cagctctttt	480
gggttacact ggaaatttct agccagaaat ttcatgacta anaaaaaaaa aaaaaanaaa	540
aaaannnncc cngggggggg gnccgggncc caanttcccc ntnannngg ggggttnaan	600

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	720
nnnnnnntnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntn nnnnnnnnnn nnnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn	900
nnnnnnnnnn nnc	913

<210> 1594
 <211> 1682
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1682)
 <223> n is a, c, g, or t

<400> 1594	
ggngnggggg naggantcca ctnttgnctt nntttntnta tcantccnnn ncttcccntt	60
catacncttc tctnttngac ntgantnnnc tctnncnact ccacnnangg tngnnggtga	120
ntnnancnnt anntaannta gagannnanc tggggnactc nancacngng gngacnctc	180
tanaaacnnn ctggagccac tcttcccngc tctcatnccn tnncaanna gntannttat	240
ttnnttantic ctaaccattc ntctctnnnn nntggggatn nctattanag ngngtnactc	300
cntcatnnta ncnntcttan anctcggggg nccacnntnt antttaggcn ntncngatan	360
tcnnnatnng natnctccat tncnanttnc ncnctngac tataatttat nganntnatn	420
nataaaagan nnanntngcg ntctttcnat annnnngnta nntnnntgnt gnnnatagan	480
nataatgaan natnttgtn cgnatttnnn acttactnnt tgtannnnan gtntnngnnc	540
natgtcnccg angtnnnct nnannangca ntgnnagcnc gnnngntna gtcncntnt	600
gacnangant cacgngnnnn ntacgtgctn nttnnntng ntattnnnng ngaggnnann	660
atanngncnn nngtgatgng tcttttgagn atattagtgn ncatntnnga gccngnaag	720
gtcctgnnt tntntntgn tcngnntnan nnatgatgnc nnggtttnnn tatnnatnan	780
cgatncctg ngannntcg ngtantactn ntngggntat ttgtntcgta nntgncgatn	840
ggncnagtta nggcttctat agtgtctngt antcnatata ttggnggncc ccnctttatt	900
anangnctnn aannngnagn nntnannntn tcacacnct angannncac ccatntcctt	960
nntatnntan tanncatnat ctagttnnt aatcatancn nctatttctg gntnagattg	1020

agatggtaac nccttnnnnn ctcnccttn atcnnccgang nnatnnntct annaganncn 1080
 tacgcnnntnc ctncncatnn anttattnnn antacntnnc nccgatntaa caccacntgn 1140
 nggannncgc nnancgtagg taanagtcnt angnagtaat ttnatnatga ctanntgnac 1200
 ggaaactnnn ttacantncg tgaaactatg gangttnta tnanatgatng nattcgnagg 1260
 ggnccctgtag cgntnnnaan agnngnngnt tnntangntg cnngtaacgt ncnatnnnc 1320
 agcgannncg cagttnnncn gttgaagntn tntatgtatg taccacgncc gtaacnangt 1380
 nanatnnang nacgngcgtn tcnanctaaa tanactngna cgcangtacn ctaagagtcg 1440
 acntnntcat ccttgcttac tcttanntct cgnttctnnc ctntctnctg aaatcaatnt 1500
 nacatagang taantcnnnc acagntaata gnanctacgg anatntccac nntcgtntct 1560
 cnccattaaa nngagtgaat gantgacnnt ntantaacnt ntnacgnnag ngtacnnntc 1620
 ngnagnctnt tcgcatnntg tntgggtgtnn nnnacaccna atgaaatana caantcacc 1680
 gg 1682

<210> 1595
 <211> 1682
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1682)
 <223> n is a, c, g, or t

<400> 1595
 ggnngggggg naggantcca ctnttgnctt nnnntntnta tcantccnnn ncttcccntt 60
 catacncntc tctnttngac ntgantnnnc tctnnnact ecacnnangg tngnnggtga 120
 ntnnancnt anntaannta gagannnanc tggggnactc nancacngng gcngacnctc 180
 tanaaacnnn ctggagccac tcttcccngc tctcatnccn tnnncaanna gntannttat 240
 ttnnttantic ctaaccattc ntctctnnnn nntgggggatn nctattanag ngngtnactc 300
 cntcatnnta ncnntcttan anctcggggg nccacnntnt antttaggc ntnccngatan 360
 tcnnnatngn natnctccat tcnanttnc ncgnctngac tatattttat nganntnatn 420
 nataaaagan nnanntngcg ntctttcnat annnnngnta nntnnntgnt gnnnatagan 480
 natatngaan natnttgtn cgnatttnnn acttactnt tgtannnnan gtntnngnnc 540
 natgtcnccg angtnnnct nnannangca ntgnnagcnc gnnngntnna gtcncntnt 600

gacnangant cacgngnnnn ntacgtgctn nttnnntng ntattnnng ngaggnnann	660
atanngncnn nngtgatgng tcttttgagn atattagtgn ncatntnga gccgngnaag	720
gtcctgnt tntntntgn tcngntn nnatgatgnc nnggtttnn tatnnatnan	780
cgatncctg ngannntcg ngtantactn ntngggntat ttgtntcgta nntgncgatn	840
ggncnagtta nggcttctat agtgtctngt antcnatatac ttggnggncc ccnctttatt	900
anangnctnn aannngnagn nntnannntn tcacacncct angannncac ccatntcctt	960
nntatnntan tanncatnat ctagttnnt aatcatancn nctatttctg gntnagattg	1020
agatggtaac nccttnnnnn ctcnccttn atcncgang nnatnntct annaganncn	1080
tacgcntnc ctncncatnn anttattnn antacntnc nccgatntaa cacgacntgn	1140
nggannncgc nnancgtagg taanagtcnt angnagtaat ttnatnatga ctanntgnac	1200
ggaaactnnn ttacantncg tgaaactatg gangttnta tnantgatng nattcgnagg	1260
ggncctgtag cgntnnnaan agnngngnt tntangntg cnngtaacgt ncnatnncnc	1320
agcgannncg cagttnnncn gttgaagntn tntatgtatg taccacgncc gtaacnangt	1380
nanatnnang nacgngcgtn tcnanctaaa tanactngna cgcangtacn ctaagagtcg	1440
acntntcat ccttgcttac tcttanntct cgnttctncn ctntctncgt aaatcaatnt	1500
nacatagang taantcnnnc acagntaata gnanctacgg anatntccac nntcgtntct	1560
cnccattaaa nngagtgaat gantgacnt ntantaacnt ntnacggnag ngtaacnntc	1620
ngnagnctnt tcgcatntg tntggtgtnn nnnacaccna atgaaatana caantcacc	1680
gg	1682

<210> 1596
 <211> 968
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(968)
 <223> n is a, c, g, or t

<400> 1596	
nnaaagctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggcggggt tgccgccggg acacaggtgt cgtgaaaacc accgttaaacc ctaagccaaa	120
atgggaaaagg agaagacca catcaacatc gttgtcattg ggacagtaga ttacaggaag	180
tctaccacga ctggccatct gatctataaa tgtggcggga tcgacaagag aacaattgaa	240

aagttcgaga aggaggctgc cgagatggga aagggtcct tcaaatatgc ctgggtcttg	300
gacaaaactta aagctgaacg tgagcgtggt atcaccattg atatntccnt gtggaaattt	360
ganaccagca ngtnntatgt aaccttnntn gntgcccnag gncacanann tttcntcaaa	420
aactngatan cnggcccntc caagnnnngn ngnttgcct ngatcgtgnt ngntggggtg	480
ggnaatttga agccggtntc tccaanaacg ggcanacccg tgagcatgcc cttttggctt	540
accccttggg ngngaaacaa ctaattgttg gcgttaacaa aatggattcc actganccnc	600
cctatancca naanaaatnc aaanaanttg ttanggaagt canccccttt tttaaaaaaa	660
ttgggttaca acccccgaca cagtaacant ttgggccaat ttttggtggtg aanggggaaa	720
accttgctta aaaccaagggt ttaaatttgc cctnggttna agggantgga aaagnccccc	780
gtaagggccg gnaattgccc cnggggaaac cnncccttgt ttgnaaacct ttgggaattg	840
gnnttttggg ccnccaaatt ttncncaaaa ttggaaaaaa accctttggg gtttggcctt	900
ttcccngggg nngttttttn aaaaaanggg gggggattng ggacccgggc ccctttnggg	960
ggcngggg	968

<210> 1597
 <211> 1009
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1009)
 <223> n is a, c, g, or t

<400> 1597	
tnnnncaaan ctggagctcc accgcggtgg cggccgtctt agaactagtg gatccccggg	60
ctgcagggtt cgatccatgc ccatccgaaa ggatgatgaa gttcagggtt tacgagggca	120
ctacaaaggg cagcaaattg gcaaagtagt ccaggtttac aggaagaaat acgtcatcta	180
cattgaacga gtgcagcggg agaaggctaa tggcacaact gtccacgtgg gcattcacc	240
cagcaagggtg gttatcacca gactaaaact ggacaaagac cgcaaaaaga tcctcgaacg	300
taaagccaaa tctcgccaag taggaaagga aaagggcaaa tataaggaag aaacaattga	360
gaagatgcaa gaataaagtc atcttgtcta cagctttcat taaaaactgt taaatgaaa	420
aaaaaaaaaa aaanntgggg gggggnccng gncccnantt cncntatag ggagtcgnnt	480
nacaannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	540

nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn		1009

<210> 1598
 <211> 966
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(966)
 <223> n is a, c, g, or t

<400> 1598	
tnnnnnaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggcacg aggcgcagta tttgtcttcc tgtgactgac ttatttcatt	120
catcatgtct tcagtgttgt tgcaaagagt aggatttcct ttttaaaggc agaataatat	180
tgcatttgtt atacattcca tattcactca tctgctagtg cacatttggg ttgtttccat	240
ttcttggtct tggtagtgtt ggtgtgggga gccggcggga ggcactccac ccgtggcaaa	300
ggcatgagg aaggaggctc gacatatgca aaggcgggat cgagcctcag gagtccccct	360
ggaaattttc gagcatctac ccccataacc agagcctgcc tatttcacta ctttgtgctc	420
tcacctacac ctctgacttt acgggggggt gtccccacc acctctttca gagaaggagt	480
taacttagag ctccagttaa taataattcc tgggcatgac aggagtgttc caaacttacc	540
aactcctctg aaggttctct agcctgcctg acaggcttgt ccggcccat gtgattgctc	600
acagcctccc aaccatgaaa ngcacgagat gcgttaaacc ttntaaaaac aggttcnntt	660
aaaaaagtta anaaaacct ttagtataag tatggggggg ctgattaataa aattggattg	720
ggggaagggt ttttantttg ttgggnccaa gggttaactg ggtaaatttt ccaaatnccc	780
tggccntttc ccccttttn tggaatttt tttnaaaaaa atnggtttt acccntttga	840
tttnaaaaac cggttnaacc ctttnggcc aanaaaattt ttttnttta atnaaaancc	900

cntttanccc tttccccctt taangaaaag ggacnttttt tttggggggg ggggtttttt	960
tnaaaa	966

<210> 1599
 <211> 945
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(945)
 <223> n is a, c, g, or t

<400> 1599	
ttnancaana ctggagctcc accgcggttg cggccgctct agaactagtg gatcccccg	60
gctgcagggt tttttttttt ttttttnacc ngnntngggg gtttaanggt tcnannatnn	120
nnnatngtaa nnaaaccccc cnnagggggg ccccnaaaaa nttntttttt ntttnaaaaa	180
ccttttttngg gnnnangggg ggcccccccc taataannct ngggttggnn naccnnttt	240
ngnngaangg ggnaaaaann gcccngnang gncccnccaa ncnaaannga ttcntncnt	300
tnggggggnan naaaantttt nattttanng gnccgggggc ccnggnnnngn aancncnttt	360
ngnttttngn nggaannncc nggnnnnnng ggggcccccc ngnanngnnn ntngngggng	420
naaaaancnt nggggnngnn anngcncnt tannnaggna ntggngggtn gtttaaaaa	480
tnccannngn cnccttcna anaancnng nngaaaaag gnttttnggc canggaaanc	540
cntnttngcc aaggggnana ncctccccnt tggncanctg gaactttttt ncnaggaana	600
aaaagnaggt tcccgggccc tttttntttt aaaatncnng gcccncaaaa cnnaattttt	660
tcnttggtgc ccccccaaaa tttncnnnnn ggggnggggg ccanaaaagg aaanancct	720
tttttttggg gagaaanttt tttgaggnaa ntttgnaag ggcccggccc ccccnnggg	780
naaangggcc cnntaatggg ntttgnnggg caattncctt tanccccctt tnaaaaaaaaa	840
aaaaacattt gggggggggn aacnccnctn ccccttnaan tnccannaaa aaaaanacccc	900
ccttttgggg ngcccccaaa acccttnttg gggggggaga cccct	945

<210> 1600
 <211> 988
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(988)
 <223> n is a, c, g, or t

```

<400> 1600
cannanctgg agctccaccg cgggtggcggc cgctctagaa ctagtggatc ccccgggctg      60
caggttttca tgcagcaggc ctttcctggt gtcattgatg tccttaccac ctttctctcc      120
ctttgctgcc tagttaacct tttgaaatgc agacctaatg gcattgcttt tttctgccat      180
agcttcagtg gtccccgtta tggagagtag aagtcataaa actcaaatcc ctacagggac      240
tagaaaagta aggtaaatgg acaaagttag atggatgtga gaggaatggg aggagagagg      300
aagtgctgtg gcatattgtc ccgtctgaaa ggggcacctg ccacctgctt ccacgtggga      360
atgcgggacc caatttgaca tatcgtccaa tttcttaaaa gaagccgaaa atccagaaat      420
ttttatgagc ggtttgctga tttttaaata ttgactttta gttgagtttt taaaatgcag      480
gtcagtatgt tgtgaattga cctacttgca gtttttggaa tgtgccatgt tatcttgtga      540
ttctgtttgt aagtgatgct tcttctaaat aacgctcttt ccttcctcct gcctcaaaac      600
ctggcaaaat taggttcttt aagattccag gttagccttt cctgacccca agacaggcag      660
ttctcctcgt gttctccaag ctctagcact tactacatta cattgcaatg ctttgngttt      720
tattccctgg ctttgagcaa agacattatt ttattcttct tgcaaaatta tacacttggg      780
aagttaaata ttttttgcca tataatggaa ttaaactctt tanttttcat ctaatggagt      840
caagnatcat aatngctctt cattgaattc nctttctccc accatatttt taaaaccnaa      900
aaaatatatt tccataangg aannctant ttaaagnaaa cccccctttt ganacttnaa      960
tttggcattg gcaagggtta aaaanccc                                     988
  
```

<210> 1601
 <211> 985
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(985)
 <223> n is a, c, g, or t

```

<400> 1601
aaanctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca      60
ggaattcggc acgagggaga tctctgcgaa cagttcaact ccatggagcc caacaaacaa      120
aagaatgtgt ctgaagaact ggacagaacc ccacctgagg tgtcgaanaa gcttgaggac      180
atccggactc gttatgcctt ctgagctctt ttctgtggg gtttatcana nactttatct      240
ccctcaccac gtgactgtga atctctgtga canaanaagg gnggtgataa ttaatacttt      300
gtaatgttaa agctcttagc tcttcccatc cactctttcc tggagtgaca gggtccccct      360
aaaattggca ctgagatttg ctgcacttct ccgtgcctgg tacataatcc attgccccca      420
ggttntgggtg tggaatacag tgtccctttt cccaaagctt tcttgcatg atatttggcg      480
gctatccngc ctactttngt acacaccttt aattntnanc tggaccacct gtacatacag      540
ttntgaatga tgctgtctgt ggggggncta acnnagcngc cgaccagggt nnttatanca      600
cagngtctgg agncctgnct gtatccaacc nagnatgaa nacntncctt ttgtngngag      660
gngannnnnn nnnnnnnnnn nnnnnnnntt nngggggggg ggggggggnc cccnnnnccc      720
nttttttttn nnaggggggg nnnntnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnnn nnnnnnnncn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
nnnnnnnnnn nnnnnncnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncn nnnnnnnncn nnnnnnnnnn      960
nnnnnnnnnn nnnnnnnnnn ncnnnc                                           985
  
```

<210> 1602
 <211> 966
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(966)
 <223> n is a, c, g, or t

<400> 1602
 nnnnatctgg agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggct cccatctgtc cagttaacat ttccctctct gttttcgaga 120
 tagctctcca agaggctggg gttcctcaaa tctcatttag aaccgtgtgc tgaaaacctg 180
 gattggtgac tgccatccta ngccgatgtg ctggcccagg ggaaggaaac tgagcgagta 240
 gaagtccta ccanaaaggg ttgggtttgg agaggggcat ccagggtact gaagtcctan 300
 gtgccaggta tctccccgt cctctcanct tgnccagagg tggtgacagt attatcttca 360
 ttttcagtct ccttccaagt tctgtcctaa gctattacct ttgcaagttt ctggcccca 420
 ccctatcaag tgggaatccc ttctcttcc actttatctc cttcataata acgttgaatt 480
 ccctcctttc tctgtttga gaaaggggt caagagaagc aagagatagc cttggtctct 540
 taagtctcca gaaagccct cccacccca tcttttctta tcaaaaaaaaa atgatacgta 600
 tcaaccctt ctgtacttat atggaaaggg tatgtgctgc cacctaaacg tcatttcccc 660
 aaaacagggg aacaagaaca ccttntatc tttttggcaa aacaatcttn atntctcct 720
 ggctactgnn ttccccactt tntttggatt tttggcccta tttctacact ntcaaatttt 780
 ctattggggg ntggaacctt ggctngcntt ttttttntt aattggaaaa naatgaccat 840
 tggcccccca nnagcccca aaattnnatg gggaaccng naaaaatntt aaaaaaaaaa 900
 naaaaaanac cttcnngggg ggggccccg ggtnncccaa tttccccct tttnaagnnn 960
 gnggnc 966

<210> 1603
 <211> 1747
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1747)
 <223> n is a, c, g, or t

<400> 1603
 ggggngngngn acnaaatntt aattnnatnt tnnntnnnnn cccncncnct cncnnantat 60
 tntttattgt ggagnggggn cngacctcta cnnngggggg gngntgntag ttaccnaaca 120
 tattntatcc attaggagct ctatantnnt tntngncnca tttcttnata ntgtncannn 180
 gagggncncn gttantnnnc cnnnnnnctn tttttnactt atatnttcca taantcngan 240
 tnanttttag nggnttntta tnncgnttag ctcanagtgc ncntctgna gntcnttnn 300
 ttaaatgang cccngtcann tntattanaa natntgngtg cnnnnncaaa ncagnangnt 360
 ganntnggnc gtnattttga tnnantnnct atgtgcgant tacnngangc tgacntngag 420
 nannannggn ccanagnnna tcncggccna nnacacantt gacagtantg nntnngngt 480
 aaannagatg annncgcntg agnnttgtnt tcncntncgn aannncncn ntcgannata 540
 cncgtantng agnttgactg nnnnggagta ngganangnc annnnnncga tgatnnngnn 600
 nnnntnngc aggtccgaan nncnanaata nncnngagtn nnnntacnga gnnnnngnna 660
 tagcntnnng ttncnntccn gttannnatn ttnnnncnng nangngntan ncgcgntgta 720
 nnnnannttg gaannnnacg aganaccggn agatatnnat nacctnnat nncnanaanag 780
 gtccanctan tnncttcgn ngtnatctnt cntnnncggn ngnatcncga ggnannncca 840
 actncacna cgnnnnnncg gtcnncatnn ncntgnncta tgtntacac ngngtctcct 900
 cncntntgtn nacctataa gntgtcctac gngtaanact gannnaacgt cnnacgtccn 960
 ntatantccg gancannna tacgtaangt nctagnagcg ncanngtngt gacttctnan 1020
 tancanatcn tgantnnagg ttantacnta cnatnnnacn ncngagatta ntnncgtnnt 1080
 nncnnnngnt gatttntaac gcangaccnc catccacgca tgatcatant acgntgganc 1140
 nantncgnnn tantntgnan acnntcttgt tcgtngnnnn ntentcatca ngnnacanann 1200
 tntacgtng antngtccac cttagcgang cnnttntaan tntannncag atccgncctc 1260
 accacngtan tgnctngntn annntnatcg ncgctccgc annactant acnntagga 1320
 tanncacntn ntnnntnatn gntcgcacgt agnananacn tnnncannnt agngcggtag 1380

tnagnnggtcc gcncgtgtacg tntatatcnc cnacnnnatg tctgtgcgca ncacggntta	1440
cgncnacacg ntnggnngat gataatngat ngatcgctcg accgnnggtn atgnnnnnnnt	1500
gcanngaann ncnagtcgt angctacana anntntnnan nnataataaa naaanacagg	1560
gnatgnnant atntatgata tgggangngt nnttctgntt ganatngntn tnnacngntn	1620
tntaatggat ggancacgan gatangnnnt nntntcntta tggntgtann ntatnccatg	1680
tnccgcnacn cnatngntaa ngatgcncan gcaacgaagt nacntnntna ggnngacntg	1740
natgcgg	1747

<210> 1604
 <211> 1747
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1747)
 <223> n is a, c, g, or t

<400> 1604	
ggggngngn acnaaatntt aattnnatnt tnnntnnnn cccnncnct cncnnantat	60
tntttattgt ggagnggggn cngacctcta cnnngggggn gngntgntag ttaccnaaca	120
tattntatcc attaggagct ctatantnt tntngncna tttcttnata ntgtncannn	180
gaggngncn gttantnnnc cnnnnnnctn tttttnactt atatnttcca taantcngan	240
tnantttnag nggnttntta tnncgnttag ctcanagtgc ncntctgna gntcnttnn	300
ttaaangang cccngtcann tntattanaa natntgngtg cnnnnncaaa ncagnangnt	360
ganntnggnc gtnattttga tnnantnnct atgtgcgant tacnngangc tgacntngag	420
nannanggn ccanagnna tncgggcna nnacacantt gacagtantg nntnngngt	480
aaannagatg annncgntg agntttgtnt tncntncgn aannncncn ntcgannata	540
cncgtantng agnttgactg nnnnggagta ngganangnc annnnnncga tgatnnngn	600
nnnnntnngc aggtccgaan nncnanaata nncngagtn nnnntacga gnnnnngna	660
tagcntnnng ttnctntccn gttannnatn ttnnncnngn nangngntan ncgcgntgta	720
nnnnannntg gaannnnacg agnaccggn agatatnnat nacctnnat nncnanaag	780
gtccanctan tnncttccn ngtnatctnt cntnnncggn ngnatcncga ggnannncca	840
actncacna cgnnnnnncg gtcnncatnn ncntgnnta tgnctacac ngngtctcct	900
cncntntgtn nacctataa gntgtcctac gngtaanact gannnaacgt cnnacgtccn	960

ntatantccg gancanncna tacgtaangt nctagnagcg ncanngtngt gacttctnan	1020
tancanatchn tgantnnagg ttantacnta cnatnnnacn ncngagatta ntnnctgntt	1080
nnnnnnngnt gatttntaac gcangaccnc catccacgca tgatcatant acgntgganc	1140
nantnccgnnn tantntgnan acnntcttgt tctgtngnnn ntentcatca ngnnanann	1200
tnctacgtng antngtccac cttagcgang cnnttntaan tntannncag atccgncctc	1260
accacngtan tgnctngntn annntnatcg ncgctccgc annactanct acnntagga	1320
tanncacntn ntntnnnatn gntcgcacgt agnananacn tnnncannnt agngcggtag	1380
tnagnggtcc gcncgtgtacg tntatatacnc cnacnnnatg tctgtgcgca ncacggntta	1440
cgnacacag ntnggnngat gataatngat ngatcgctcg accgnggtn atgnnnnnt	1500
gcanngaann ncgnagtcgt angctacana anntntnnan nnataataaa naaanacagg	1560
gnatgnnant atntatgata tgggangngt nnttctgntt ganatngntn tnnacngntn	1620
tntaatggat ggancacgan gatangnnnt nntntcntta tggntgtann ntatnccatg	1680
tnccgcnacn cnatngntaa ngatgcncan gcaacgaagt nactntntna ggngacntg	1740
natgcgg	1747

<210> 1605
 <211> 1015
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1015)
 <223> n is a, c, g, or t

<400> 1605	
ttananaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atccccggg	60
ctgcaggaat tccgcacgag gcnancnnnn agannnnana nntgaccnng gatcanaccn	120
atnanttgaa ggngnncctt ccagctgncn taccgaccgg gggangnatn gatcctgtac	180
agatanngtg gncatgagat tagggccctg ttccaancct nccaaatgt tacggtnnnc	240
antgncttgc gnaaccccc catnnacgaa nnnnacgann aggttactna ncnttgggnn	300
cttgctncnc angntnntga ctngngnca taanatggan ctnggccnnt acaatnnntg	360
nnccanncgt cttagcgtgt ncntnaacna nangaacggn cnttntactg gggtgcttat	420
tggccgggnc ctngtncntt acantgggat gcnatcntga cagnggatca attanatatt	480

cccntagcct tggaatnagg accttaattg ccttgnncaa ntnaaaacaa gccncccccn	540
tangggnggg naaccggctt atggattccg gccccatnaa ccggagggng gccctttctt	600
ntnggaatth ttccgggggt ttnggccgtt tttcntttta agggcctttt tttttcnaaa	660
anngggccc cccantttcc tttttaaaann agaaaaatnt ncggggggacc naaannggta	720
aaaaaaaaanc ccttgggttc ccctgtttnt tggggcggn nnaaacantt tgggtntttt	780
ttttntttt tnggggggga ngctttggna cttcaccttt tggcccggcn aaaaggccct	840
gaccccgga accntttntt tggaanctng gacnttaa at gggttttttg ggcccccccc	900
cnttatgggt tannccctng gncntttta angnnanggg ggccccnggg ccctaaantt	960
ttttttttt tttcccccc ccttttnaaa aaaantttnc cccccttaaa aattt	1015

<210> 1606
 <211> 1032
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1032)
 <223> n is a, c, g, or t

<400> 1606	
ttganaaaac tggactcccc gcggtggcgg ccgctctaga actagtggat ccccgggctg	60
cagggatagn ntatgccna tntganggna atattaaaca angcacgccc nagggcacta	120
naaaggncat catattgtca anttaatnca ggtttacagg accaantacg ncatctcatt	180
gaaccgagtc agcctganaa nnntattgtc acncctntcc ngncgtacat nnannccatn	240
ncnncgnna tnacnatact tatnattgnc gntnatance ganntancat cgttngtnta	300
gcnagnnct cgtcntttat naaagnattc agggcaaata tnaggaagac tcaactgaga	360
agatncnata ataaagttat cttgtntnca tnttttcatt annaactntt anaatgataa	420
nnatttaant ttntgggggg ggntcccttt ttcccttttt ccnnttaact nnnccgttta	480
acncnncta cttcccttnt nntttttgtc nttingagan tttatttttt aatttgtatt	540
tttnnctnt aacatttanc ctctntacnt ttttgntttt ntntntntt tttntatnt	600
ntntntntn nntttnttt ntnttttnn tcnntntnt nttcacatta ntctntttct	660
tctnttgtn nctnnnanca attntntttt tnntcnenn ntntntcgc ttatnttttt	720
tantntntt nnntcnnttc nttnnatana nttntnttt tcntttctnc tttntaach	780
tntactaata nttatanttt tcnttanna tttctctctn tcttctctt gttttnttn	840

nctatacacn tntatatattt tattatttnt ttctttctnt tanctctatn ctctttttatt	900
ttttttcntt natccttttc atnctttctt tactntttct aatttcgtat ttatntcttg	960
tgantntnna cgnntaatnt tttcttcgng cntccttadc acnttnttct gnanntncan	1020
cttcctcttc ct	1032

<210> 1607
 <211> 1033
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1033)
 <223> n is a, c, g, or t

<400> 1607	
nncaaaagct ggagctccac cgcggtggcg gccgctctag aactagtga tccccgggc	60
tgcaggaatt cgnntnnang cctacaaacc ntccaaccan ncgcactgnt acggnaaaag	120
cngcttnatc gtcatacgcc tttnttacca gcataatgnc cacattnata tttatccact	180
tcgggncang aactaattan ttcanactgg nactggact aaaccatccc aantcttaaa	240
ttaatcccct taagcnttaa aaaagancta ttttcttcat naatatttaa tcccagtagc	300
actaatccgg tncatggatc taatatagaa atgttaattt gnatatatat acctcaganc	360
cccatattaa ncaattcttt caaatatcta ctctctaadc cttaattcta tgcctaatacc	420
ctggaaccgg gaaancaccc tttttcaggc tttcattggc tggaaaagng gtcggaaatc	480
ttatattttc tcctatcgga aggaggatnc gggncgaagn gaagccaacc ccaggcagcc	540
cttcaggca atcttatatt accgnattng gcgacttggg tttattttta gcaataagca	600
nggttcctaa ccaaactctt attacctgga naccttcac aggatcttta ttcttaaacc	660
caacgaactt caaccttacc cttggattgg actaacantt agctgccanc cggaaaatcc	720
cgcccaattt gggcctccac ccgngaactt tcccttttgg caataanaag ggcccaactt	780
tcccgnntta aganntactn catttcaagc cccaaataan ggggagccag ggattntttc	840
cccacctaaa accgggttnt tttccccctc accggnaaac ccatttaant tcccttccca	900
acctntttac cnttttggct ttngggngcc cntttcccc cctttttttt cccgggannt	960
ttggncccn ccccccca atggggcctt ttaaaaaaaaa aatttgggnt ttttcccaaa	1020
aanananaaa aaa	1033

<210> 1608
<211> 938
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(938)
<223> n is a, c, g, or t

<400> 1608
ttnanacaann ctggagctcc accgcggtgg cggccgctct agaactagtg gatcccccg 60
gctgcaggaa ttcggcacga ggcaccagcc caggcttgga caatggnggg ggacatgttc 120
aacgccaggt tcattcgaaa cttgcatgaa cgtcgcagca ccaggccttg gtgaccgcag 180
ccccctctca caccttcaaa atcattatta tttctatctc acacaggact tagtcaaagc 240
ttgccctcgc cgtgtatgta ttcattcatt catttattca ttctacaggc tttttttttt 300
aaaatcaggg ccaagncatt tgnatcttat ttttaaccan agcaataaag tnttttttac 360
cacganaaaa aaaaaaaaaa aannnngggg ggggggccng gacccnattt ccccttnnng 420
ggngnggatn aacnnncggg ggggggccng ncccatnnnc cctataanan gnnannnaaa 480
annnnnnnnn tnntnngnan nacnnnnnnn nngcatnntt ttnttntcta annaangggg 540
nnntnattnn nnnngngggn tatnncnntn ncnttnttna nnnntttttt nngngngnnn 600
nnannantnn nannnnncng ncccnntnnn nnnnnnannn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnngggnnn cnnnnnnccn nnttnnnnnn tttnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnntt tnnnnnnnnn nnnnnnnnnc nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnn 938

<210> 1609
<211> 967
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(967)
<223> n is a, c, g, or t

<400> 1609
aaaanctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc 60

aggaattcga tatcaagctt atcgataccg tcgacctcga gggggggccc ggtacccaat	120
tcgccctata gtgagtcgta ttacannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tnnnnntnnn nnnnnnnnnn nnnnnnnnnn	360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	420
nnnnnnnnnn ntannntnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnnn nntnnnnnnn	480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnnn	540
nnnnnnnnnn nnnnnnnnnn nnnnnntnn nnnnnnnntn nnnnnnnnnn nnnnnnnnnn	600
nnnnnnnnnn nnnntnnntt nnnnnntnnc nnnnnnnnnn nnnnnntnnn nnnnnnnnnn	660
nnnnntnnn nnnnnnnncn nnnnnnnnnn nnnnnntnnn nnnnnnnntt tnnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntnnnnn nntnnnnnnn	780
ncnnnnnnnn nnnnnnnnnn cnnnnnnnnn nnnnnnnnnn nntntnnnnn nnnnnnnnnn	840
nnnnntnnn nnnntnnnnn tnnntnnnnn tnnnnnnntn nnnnnnnnnn nnnnnntnn	900
nnnncnnnnn nnnncnnnnn nnnnnnnncn nnnnnnnntt nnnntnnnnn nnnntntnnn	960
nnnnccn	967

<210> 1610
 <211> 1059
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1059)
 <223> n is a, c, g, or t

<400> 1610	
gcctatagng agtngnatta cagtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaatttc ggtatcgagg cncnncgnta ncncaggcct ctcggnntng ccggtccncc	120
ttnnccgcn atngagaccg naancanntc gccatggatg atgatattgc tgcgctcgtg	180
gtcgacaacg gctccggcat gtgcaaggcc ggcttcgcgg gcgacgatgc tccccgggcc	240
gtcttcccgt ccatcgtggg gcgcccccg caccagggcg taatggtggn catggggcan	300
aaggactcgn acgtggggga tgaggctcan agcaagagag gcatcctgac cctcaaagta	360

ccccatttga gcaacnggtat cgtccaccaa ctgngacnac atgganaata tctggcacca	420
cacctnttac aacgagctcc gtgtggcccc tgangagcac cccgtgctgc tgaccgangc	480
cccncttgaa cccccaag ccaaccgtna gaaagatgac cccanattnt ntttctanac	540
ctttnaaaca ccnctgnca tggacttgg gtcatccaa ngctgtgctg tcccttgnat	600
gnnctctggc ccgcaccaac tcnn catttn ngatgnacnn cnggtgaccn gggttnaacc	660
acacngntgc tccatcttat nagggggtn ctccttccc cntgcenttc ctngnntttt	720
ggaacntngg cttggccggg gaacngnctg ganttacctt antgnaanct ctcttcncgg	780
gnncgnggnn tattnnnctt tnaccacca cnggtngatn ncggnaaaat nnttccttn	840
anntttannt tagaaaattt ttntctnatn tgggccttgn attctnanca anaaaaatgt	900
cncnnagtnn gcgattnana ntttctcctt tgannanagna acntcnaaac tntnntnctt	960
ggntcnnag tnttanncta naganntnna ggcnnctctc anccccctg tnnnnntttt	1020
cnccagtttc cttttcttnt gnaatgtaat anntgancc	1059

<210> 1611
 <211> 976
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(976)
 <223> n is a, c, g, or t

<400> 1611	
ncaanatctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggcctgg gcattctgct gtacaccatg ctggcgggat aactccatt tgccaatgga	120
cccagtgaca caccagagga aatcctgacc cggatcggca gtggcaagtt tactctcagt	180
gggggaaact ggaacacagt ttcagacaca gccaaaggacc tgggtgtcaa gatgctgcac	240
gtggaccccc accagcgcct nacagccaag caggtcctgc agcaccctg gatcacccan	300
aaagacaagc ttccgcagag ccagctgtca catcaggacc tgcagcttgn gaagggagcc	360
atggcagcta cctactnanc actnaacanc tncaagccca cccctnanct gaagcccatc	420
gagtcgtcta tnctggccca ncggcgggtg aggaanctgc cgtccaccac cctgtgaggg	480
gcctgagcat tcaagccgca nggcggtgct agctggatgg aggcagcgtg cttcccanaa	540
naagcaggcc tgaatcccag ggccagaggg agcggagccc cgaggggccc aagaaagcag	600
cccagcccaa aatcacccca nggagggngn tgagaantgc ctttctcctt nccccaggaa	660

cngactgttc tcggtcang ctctgggtgg gnttgaaatc gaattcactg tacaaaaactc 720
 ttttatctat tttttaang acaaaaatgg gcntctaccc ncccatggga tttttttaca 780
 aagaatncat ttttggcctt ttttggggaa aaacaaantt atccccntng gaaaccccc 840
 aaggaagggg ggctngaatt cacttcaaan gggcgctcc ttgtgggctn gaaaaccccc 900
 tttaaanaca aacttttang aatttncccc ccagggggga ancccccca aattgggggtg 960
 ttttttatnc ccnncc 976

<210> 1612
 <211> 1516
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1516)
 <223> n is a, c, g, or t

<400> 1612
 ggnncgtgnn nngtnttttn ttttttttn tntntnntn nnnccctacn nacatacttt 60
 taattnnann tnttaangct ntnnctnggn gnantgannt gnattnaaac anttnaaacc 120
 antggactnc acgcgctggc ggccgctcta nactagtga tcccccgcc ttgcanggna 180
 attccngcac gaggcccnac tcngcccacc ggtggccan aagaaacttg gnntattcan 240
 cnaatnaacc ctntntgann aantacggc cnggtatngg gtactnnca agaagcnttg 300
 acccngnctg gantttccan ttttcngagg natgggcggg canagnggnc ncgcnnccct 360
 gnccgaatgg ggccnntccn acctgncttt ttnccttgngc ccngnaaggn ccaaccnana 420
 ggcnttnca aaanctttan annttncaat tggnnagaac ntttcncngt nnctgcnttg 480
 ggccntactn aannnngtaa ctcnatana aangctcctt gtntttcttt nataggctcn 540
 ngnacgntag anntncntga atnnctggn cccccagggg ncantnntcc ctgtttctcc 600
 ntnacannng gnntncncct ntcgaatgng ctggtncnnn anttatcacc ncgaaacaan 660
 ctgcggcggc ncccgaacaa cnnttgtag agttacatnt aaaattaact aaatanaaaa 720
 cttctcccnc cttntccca nanaantncn tanntttng tccccccnn ngnanancac 780
 tccngnannc nccnagaat ncacnncaan antttccnga tttntaact aatgnngggn 840
 ncnacnnca ggttnnanc tcttnnnana aaagtntnn ttntnnccn atncccaant 900
 ngngntntn tctttcctcc nnctaactn catataatn ntccntnt tttnttngn 960

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aaaatacact cangcnttan ataacntcca cctacttnnn tctantaccc cncntncnac 1020
ttctnactca cncacangnt nggtntntga cgtggatcct cctctcncn nagnacgtnc 1080
ttntcgtnnn agaaanatna atnntcancg ncnactact tgnncnncgn ttcntagtan 1140
ctnntcctac gactnnnggn cntagtattc nntnntatgt cgtatntccc acctcnnan 1200
tatgcntngc cnttgaanca acnctntctc aatntnggna nggnntngtt ncnntntccn 1260
ttntnntcan gnaatnactc tangnagnn gtattnccnn tatenntct tctcgntacn 1320
gnngttcggt acgntnnnan nctncaactcg nnannatgtc gtacgtctga tgcanncnnn 1380
gcncggtanc atctncttat ntncngttcn cangatcnan tantgattnt cgtatangnt 1440
cnccnactnn cangntntct cntatgaatc nctttctcta tntatgctnc gtncnaaga 1500
ngtnngcatg tgtncg 1516

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<210> 1613
<211> 1490
<212> DNA
<213> Bovine

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<220>
<221> misc_feature
<222> (1)..(1490)
<223> n is a, c, g, or t

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<400> 1613
gncncntgnc nngttnatnn ntttttttn tntntttntn nnnccctacn anatactttt 60
aattttnann tcttaangcn tnnctnggng cgnttgntat ggattcaanc tnttnaaacc 120
antggactnc accgcgttgg cggccgctct anactagtgg atcccccggc ctgcnnggna 180
atacctgnac gagggccnnc tcagcccanc ggtggcccan aagaaacttg gnntattcan 240
cnaataancc cntatggnnn aattagnccc cnnntnggta ctnnnaaga ancnttnacc 300
cngnngcnnt ttccantntt cnnaggaatg ggcnngccna gaggnnncgc ancnttgnc 360
cgaatggggc cnntccnact gnctttttnc ttngcccnnn aaggncacn annggcttnc 420
anaacattnn anntncnatg gnagaacct gcnnngcngc nntnggccnt acnaacnngg 480
naaccnnaan aaangctcct gtnttgcttt tataggctnn atcnntaatt tncanaatnn 540
cnngncccca gggggcnnt nntccctgtt tctcctaac annngntac ncctntcgaa 600
tgngctgntn ccgnanttat caccncgaaa cacctnnncg nccctcgaac ancnnntgta 660
ngccnnttac ntntaanatt nactaaatan aanacttctc cctcctttnt cccanacnat 720
tnentnnntt ttggtncccc ccnnttgnan ancactctng ncncntccc nagantncac 780

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nnaannnttc tccngatttt ntaactaatg nnggnnnnna tnnncacagt tnttanctct 840
 tttnanaaan tccntncttn tnnnnnnntn cccaantggn ntntnctct tncctcccc 900
 taatctacca tntnatttct cccntnntc ttnntntgnt nntncactc ancnnanata 960
 acntccacct aanntacntc tantaccccn ctgtcnacnt tcncactcac ncacaagtag 1020
 ttntnngaen tgtatcttcc ctctcncna gnacgnnctt ntcgtngaga aaaannatnn 1080
 tcancgncna actactnngt cnncgntctg tacgtaanct cntcctacga ctnnnggncn 1140
 tagtattcnn tcnangtcgt atntcccacc tcntnattat gcntngcngn tncantancn 1200
 ctntctnant nnnnngatgg nntngttnct ntntccattn tnnntnngna tnnactcnac 1260
 gannngtgta ttncctntat cnnctcttct cgctacngng gtctgtncnn tnnngtctnc 1320
 antcgnnann atgtcgtacg tctnatgcan ncntngcngg ntancatctn cttatntann 1380
 ntnnatgat cnatnttttn attntcgtat nngctcncn acacgcangn tntctcctat 1440
 gaatcncttt ctgatntatg ctncgtncn aagtagatnc natgtcncgg 1490

<210> 1614
 <211> 999
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, c, g, or t

<400> 1614
 tttnannaaan nctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg aggnnagcgt caagatntgt naattcnnn nggatcannc 120
 cgnanngttc aaggaggntc tcctnctgnt tnaccgaacg gggnatgnca tnatcctgtn 180
 cagncngnt ggggatgnga nnnngnccct gggccatant tccacnannn ccnnggtgnt 240
 cnaagtnttg ggaaccna aaagtantga acattancnn naanngacct gaattttggc 300
 ntttccaac cntcttgta aattngngcn anaactaggn acaangccnc tnnrangnt 360
 ntgggcnatg gcnnnggtg ntngcnaag gaaggaaccg gcctnacnnn ggannntaaa 420
 atccgctcgg tgnccgncn nnnngttann acattacnn tggacaactt aaagntcccn 480
 ngtncttg gccttaaggc cttttantgn tngaanaant antaaaaacc tngtccgntg 540
 gggccnaat ngcntnanga ntttccaaa tnggcctnga caccntgccc tttctttggg 600

ggaaaaattng ttttntgccc cgacnctttt nagntttntt tgggacaann tntttttccc	660
caaattnntt tttttttgga ngaagnnttn gcccntnnac cnttccccca aatnaaactt	720
tngtntnttt tgtttttttaa aaaaaaaaaa aaaaaaaaaa aaaaaacccn gnttttgggg	780
ggncccnncn tnnnnnnnnn nnnnnnatntt tncnnaaaaa ncccanaann nnnnnntnn	840
gnccctnnnn ncnncnttn taangggggg ggnccctngg ggnncnctn nnnnttttn	900
ttngggggnn nanannnnnn tnggggggnn tnggcccccc cncnttttn nggggnccn	960
ntttnnnnnn aantnnnttt tttnnnnccc nnnatnttt	999

<210> 1615
 <211> 943
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(943)
 <223> n is a, c, g, or t

<400> 1615	
naaaagctgg agctccccgc ggtggcggcc gctctagaac tagtggatcc ccgggctgca	60
gggagagtct gaggccaacg tgagggaaat cttagacaag gcacgccaag ctgccccctg	120
tgtactgttc tttgatgagc tggattogat tgccaaggcc cgtggtggca acattggaga	180
tggtggtggg gctgccgacc gagtcatcaa ccagatcctg acagaaatgg atggcatgtc	240
cacaaagaaa aatgtattta tcattggcgc tactaaccga cctgacatca ttgatcctgc	300
catcctgcga cctggccgcc ttgatcagct catctatata ccgcttcccg atgagaagtc	360
ccgtgttgcc attctcaagg ccaacctgcg caagtcccca gttgccaagg atgtggattt	420
agagttcctg gctaaaatga ctaatggctt ctctggagct gacttgaccg agatttgcca	480
acgtgcttgc aagttggcca ttcgtgaatc gatcgagagt gaaattaggc gagaacggga	540
gcggcaaacc aaccgcgcag caatggaaag tagaaganga tgatccagtg cctgagatcc	600
gccgagatca ctttgangaa gctatgccct ttgccccgcc gttctgtcag tgataatgac	660
atccggaaaag tatgaaatgg tttgctcana cccttcaaca aantcnangc ttttggaac	720
nttcanaatt ccctttaagg aaaccanggg nggagctggn cccagtcn ggcaatggcg	780
gnggcaccag gtngcaatgt gttccccnga aaaataatgg atgatgancc tgtntggntt	840
aaangggggg gggncnacca agcaangaac ctggcctggg ttggaccntt tttcccttgn	900
nggggggggg cccccccccc aggaaggga cccggccctn nct	943

<210> 1616
 <211> 1020
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1020)
 <223> n is a, c, g, or t

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<400> 1616
aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc cccgggctgc      60
aggaattcgg cacgaggctn tgaagagggt gggaagtgac cacttggatg tctgggccct      120
gccaagggga cagggagggt cagagggagg ccagctgctt cctgccccca ccctttcccc      180
aggcccactg tgctgctttt gtgccaagat taaggttagc cagtcccttc ccgtcttggt      240
ctgtgtgctt ccgcctaccc ctcacacccg ccatgccctt gcccacacc tccccaaaga      300
attgaaatgt cagctcagga tatggggcca atttatgtga atccagcatg tccctgtgtc      360
gccctagtgt ccttcaacc cgggccagcc agagcccccc ttgtcgcaag gcctcgctct      420
gtcgccaact tctcgagcac aatcgggctt ctcccatctc cagggtgttct gccgctctca      480
accagaggtg cctcttccaa ctggggcggg agtcaaaacc tgccccctct gtgggaggga      540
cgtggagccc cctcagccct tcaactgagtt ctttgggaatt tgctctcaag tgccttaanc      600
aaaaggaaaa cctttgcttg gtgtatggng gaaggtcctt tgccttaaaa ctttcttccc      660
cggctttgtn cttccccaag ngcctttccn ttggccttgc tggaaacttg ggggttttcn      720
cttgtttccc caantcccca caaacacttg gcaaaaaaat ttttttattt tnntgnccaa      780
tnggggnggg ggggtcaaac cccttaaacc cttnntgggg gccctngggc ccttgttcct      840
ttntnttttg ggggcccga attttttttt ttgggggggg ggggnggggn aaaaaaagg      900
gccggnnaaa actttttncc caaaccttn tnanntnaaa nggggggnnt tttttnncc      960
cccncaana nnttttnaaa aaaaaancc cntttttng ntttttttt ttgggacnnt      1020
  
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<210> 1617
 <211> 1123
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1123)
 <223> n is a, c, g, or t

<400> 1617
 tttggaanac ncatctggag ctccnccgcg gtggcgggccg ctctagaact agtggatccc 60
 ccgggctgca ggtgcaagtc ttttaataga tgtcatanca gtgtttinnag aactcactga 120
 tnnngatgcn aaacacanaa ggtnttcccc nnnnnattnc ataaantatt ctttntntgt 180
 cnnnccgaen ncnnnctcac acctnncagn atanactttt ttctgtntat ctacacnenn 240
 ngtncttata tttcaaattn aagtnattan ctattatnnn naccctnttc ngtgacctna 300
 nntgtntttc gacaacnccn cnccttctnt ntcantncac caccatntta ntccattctt 360
 tntgcntgnc attatnccnc nnancctctn tggtnctcn tttnactcc nntnttctnt 420
 nncnttctnt cnatgttntc nnnntctnnt nctantttt cennntntgc ncantctntn 480
 nttcctttta ttttacgtaa tnnntttntn nntcttncat ntcnatccct cttatatntc 540
 ntatnacact canntnctnt tnttaacngc ntctnnctg nnnccctcanc tnngetatat 600
 ttctatnana cattcnnta nantnnnata tccctaattc nacnctnnnt caaantcnag 660
 cnnacacnct cennnttcan accttttcnn antttncncn ccaannntna nctntntctc 720
 accnnntatt nncncactac ntntcccnct ttncnttaca ccanttagan nactctnttt 780
 ncatncacaa ttannacntt ctatcttctc tatananntn nnnccctttt nctctanat 840
 tccgtgaanc cncaananta tttatnanga gatnaattnt cgtgctaacn ctcacnntct 900
 ttataatctt antcnacctt nttctnnnt atcntatnt nttctctttc gctctctntn 960
 ctctccnta gnttattttc tctcttcttn ntcaanaten gnacngnntn cattaatatt 1020
 cnattcanta ccctcctact tgnccnct agtnntncnc cnaagtcntc atatntnana 1080
 atgaatantg tgnatting tatcactctt taactntagc ccg 1123

<210> 1618
 <211> 1006
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1006)
 <223> n is a, c, g, or t

<400> 1618
 naaactggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60
 ggatttgaac cactagcctt tgaaataaaa gtcagccccc ttattaacag tgcagataact 120
 gagtccactt ggatttcttg cagctttctt tgcactgctt taggcaaaaa gtgttcatct 180
 ggtttttttc atttgacacc ccagtttgct gcagtgacag aacttaatgc ctaatctgta 240
 gaggttcatat atatatatata aaaatatata taccacaca aacacatata tatatgaagt 300
 ttaatgaact gtccaagtga aacatcctaa ctgtccttgt gattaaggag ccagttttgc 360
 aggcagccag cgcggtgttt ttctgttggt ctcccagcac atgcccattc ctttgcccg 420
 ccattcctgc tacactcgat ggcagctggt gacaccactg tgaagggttc tgcggtcctg 480
 tcttgagtgt ggcaggctgg aggtgtactg ccagagggtga gctggggcgt gttctgttcc 540
 ccacacattt ctaaactgct acaggcagtg tactggctac cacctcaagt ccagacacaa 600
 gtctaaagct gaattttgtg tcagtaacct taaccaccg aaacaaatct tgagtagctc 660
 gtatcctgct cttangaatt ctgntgtcat ttaaaagtaa tgttcaactt tcttttcttt 720
 tttattgttt aacctaagca ctgtttacag gtgtatgcta aagcctgaaa attttgtctg 780
 gngctgnggn gtatgnanca ttggccaatt tttatattta attggcannc aaaaaagaaa 840
 ccttaaagan tttntgaaaa aatgaaggaa gccntgggct ttggctccct aaatctgggn 900
 ggggtgcctt ggnggggaaaa aagggaatt ggggtctct ttnaaaaagg aagccttttt 960
 ggggggnggg gcaccccagg ctttnncctg gggnnncctg ntnggg 1006

<210> 1619
 <211> 1022
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1022)
 <223> n is a, c, g, or t

<400> 1619
 gcctatnngg agcngnatna cagtggcggc cgctctagaa ctagtggatc ccccgggctg 60
 caggaattcg gcacgaggcc gcgttcggac ctgctgctt cagcctccgg gtccctttcc 120
 atctttccac cctgcgacta gcagcanana aaaactaatt ccataatatt tttttgcccc 180
 gtatacactt tgaggcgagc aaaaagatta naataaatTT taacaatgag ggaaatcgng 240
 cacatccagg ccggnccagg nggcaatcaa atcggtgcca agttctggga ggagatcang 300
 agatgaacat ggtatnnacc ccnccggcnc ctatnntggg gacagcgacc tacaanngga 360
 ccgnatctcc gtgtactaca atgaaccac ngngngcaaa tatgnccctc gtgctatgnt 420
 gggggatcta gaaccngaa cntggactc tgttcgntca ggtntntntg gnnagatctn 480
 cacancanac ntctttnttt ttggtcaggg nggggcangc aacnggngng cgngcgggct 540
 atttataang aagnagcccc tggttgantg acgtcnctng atggntgtng nangganggn 600
 gncangatag nntttgnctg cctggctttt ctttcaacc accncttng gtgggggggc 660
 ctgcctcgga aangggaacc ttntctttt tnatnaaacc cganaaanng attctnttcc 720
 cggaantgna aaaaccttcn cnnnggnggn gncccccccn aaanattnn annactnngn 780
 ngntgngnc cttaaanncc nccnccctt tttntttatt attggnnggg ggnanannnt 840
 tnnanaatat cttttttnt tttnaaaaan aggentnttt tnaaaaatnn atttttttna 900
 ccnttnaagg tnggcccccc caccctnttg gngnttttg nccccnttn ttnccccnc 960
 atggnnnggn gnnccctnt ttctncctt tttcttggg ngnnannant tngtncccc 1020
 cc 1022

<210> 1620
 <211> 1007
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1007)
 <223> n is a, c, g, or t

<400> 1620
 gccctatang gagntgnatn acagtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggantng gnctcgaaga tntnaagcca tgccttntcc tgtacnacca natnnttata 120
 tgnttganc tcnntctccn gnttnannna gagnanaaag atgnaaagga tggcnnngng 180
 cnntgncngg ngncnnngng cnaatntnaa cttaaaccna atnaattatg ggggnggtaa 240
 atacagacat tttaacccaa gccacnannn tnntannngg nacncagctt ttacggncnc 300
 ntgctcncnc annaatngcn ccgntntgct tntgccgnnn ncnctccan ccattgnctt 360
 ggcnnntncat nngcgggaacn cnatgattnc nggccgtctg tgctatnnnn nccnnttggn 420
 tggctnngan tttctactgt tntnttcnna antnanatnn acnacntcag nctctgcggg 480
 taattctatn tnagggggnnn tggctcgncn canaggcaca cctcctaann tggngcngng 540
 caaaacccca cgggggnaan ntttactgn ncatcnnntg gntnntgtaa tgnnttcnnc 600
 ccngggggng tttattgagc acnccnnggn gannannntt ncngatattc tccccccng 660
 gtnagncnnt gngcgaaccc nnaaatnttt tncctanaan gccnntnntt cgatactaaa 720
 aaaaanaatg ggggngngnnn ttnnatatat gccnnttnac ccctcncata tnnnnncccc 780
 ntntttaann ataatnggcc tcnttttatt ttagngagg cggttnntt tttgtnnnna 840
 gggaannttt ngaaaaaatt ttnncaaaaa aaattgnncc cantntgttt ttttgaaaac 900
 cccnccnnc tttntcana tntngtnata ancnacctc cttttanagn cttgnttcgc 960
 ccccaaana tttcttttan ggaatattnn tagnaatgaaa agnggtc 1007

<210> 1621
 <211> 1025
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1025)
 <223> n is a, c, g, or t

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<400> 1621
gcctatagng agtcgtatta cagtggnggc cgctctagaa ctagtggatc ccccgggctg      60
caggcncgag gcctgggaca ggccagtcgc gttccttcgc catnctcgcc cacctnacag      120
gcaccgagtt catgcaagaa cccggatgag gagcacntga anaattnaan ccagggtgcn      180
aggacggaan cccnacccca agcntaannt aaaccaagn acccntgncn nggcctnaca      240
acccaannc caanaaccng ccnnccttgg ngggggnncc ttnnnttnnn nnaccnnac      300
cccaaaacan aacnanangg tgntnaaccg gnananacaa atcangcaca caccaagcgt      360
atgcaaaana ccgaccttna tttcgcaagc cgcnccttan aggggngcct ntgggggggn      420
ggggggcaca caaaacgaaa aaaactccnt gtgccacccn aggccaaagg gntnncnngg      480
tgncttatnt nttgnggctt ntgccnntgc attatncnnc ctgnagaagt ttttgnnctc      540
cccaaaagtt gggaaaaann tttngaanaa aaangggncg ttttttttna gangaaaang      600
gggncttttt ttntccncca cntnntnana atgatgngnn nnttatncca actttttgtn      660
nnntgtcaan taaaaaaaaa ntacntgggt ggagggnatt nactcccccn tcntnaaana      720
aannatgngn canaggggtt tgttnttttn ntntctgcnc antgcanaag ngtncccnnt      780
ttttganaan nnntcttttt ttttttnagg gagngggngg cccttnnttt nnnngccaga      840
tttatnttta agatnttttg gtcnaaaaaa nctcnganng tgntgtnttt ttntaaatan      900
annttttggn gnacgnantt tnnttnaatn aaatntnttg ttttttttg ttntagaatn      960
atnanttttg ttttncgcgn cantttattn atannananc cagnngtgna aaanaaaatt     1020
nttnn                                                                    1025
  
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<210> 1622
 <211> 1025
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1025)
 <223> n is a, c, g, or t

<400> 1622
 gcctatagng agtcgtatta cagtggnggc cgctctagaa ctagtggatc ccccgggctg 60
 caggcncgag gcctgggaca ggccagtccc gttccttccg catnctcgcc cacctnacag 120
 gcaccgagtt catgcaagaa cccggatgag gagcacntga anaattnaan ccaggtgccn 180
 aggacggaan cccnacccca agcntaannt aaaccaagn acccntgncn nggcctnaca 240
 accccaannc caanaaccng ccnnccttgg nggggggncc ttnnnttnnn nnaccennac 300
 cccaaaacan aacnanangg tgntnaaccg gnananacaa atcangcaca caccaagcgt 360
 atgcaaaaana ccgaccttna tttcgcaagc cgcnccttan aggggngcct ntgggggggn 420
 ggggggcaca caaaacgaaa aaaactccnt gtgccacccn aggccaaagg gntnncnngg 480
 tgncttatnt nttgnggctt ntgccnntgc attatncnnc ctgnagaagt ttttgnnctc 540
 cccacaagtt gggaaaaann tttngaanaa aaangggncg ttttttttna gangaaaang 600
 gggncctttt ttntccncca cntnntnana atgatgngnn nnttatncca actttttgtn 660
 nnntgtcaan taataaaaaa ntacntgggt ggagggnatt nactcccccn tcntnaaana 720
 aannatgngn canagggttt tgttnttttn ntncctgcnc antgcanaag ngtncccnnt 780
 ttttganaan nnntcttttt ttttttnagg gagnggngg cccttnnttt nnnngccaga 840
 tttatnttta agatnttttg gtcnaaaaaa nctcnganng tgntgtnttt ttntaaatan 900
 annttttggn gnacgnantt tnnttnaatn aaatntnttg ttttttttg ttntagaatn 960
 atnanttttg ttttncgcgn cantttattn atannananc cagnngtgna aaanaaaatt 1020
 nttnn 1025

<210> 1623
 <211> 974
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(974)
 <223> n is a, c, g, or t

<400> 1623
 ttnancaaan tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg 60
 ggctgcagga attcggcacg agggatggta caatcaagga agtcgttctg gatccagaca 120
 ccacctctta cagcctgacg gatctgagcc catccaccta ctacacagcc aggattcagg 180
 cactgaacgg gaccctaagg agcaagacag tcaagacctt cttcaccacg agtggagtcc 240
 tgtaccgatt cccaggggac tgctcccagg caatgctgaa tggagacacg acctctggcg 300
 gctacaccat ttatctgaac aacgacaaga ccanaagca ggaagtcttc tgtgacatga 360
 cctctgacng ggggtggatgg attgngttcc tganacgcaa aaatggacgt gangacttnt 420
 attcgaactg gnaaggctac ccttnttgan tttgggacct naaaaaanaa gttttgcntt 480
 ggcttggaca ctttgnacca aaatnccagc ccagggccat accaacctcn ggtgganctt 540
 gcggaacccc ggggaagncg gcccagncct tttanaaaaa agttaangtn gggaaaagcc 600
 cggaccccct tnccggttna agngggangg ggtcccanng gcccgggagg ngacctcctt 660
 ggccttacct aatnggnna atcctttttc cncntttaaa aagggacaan naattnggcc 720
 attaaccaan nttgggcctt ttcnttaaan gggggcnttt tttgntncaa aaanctgccc 780
 cccgggttaa cctggngggg ggaaaancng gggaaaaccc cccccaannn nggggggtta 840
 accnggggtc cccttgaan ggggccccaa acnttttaat tccanttttn tttaaaaana 900
 aanctttaaa acccccnan tttttcnaaa accttttaaa gggnggggcc caaaaanggg 960
 cttaaanttt tccg 974

<210> 1624
<211> 934
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(934)
<223> n is a, c, g, or t

<400> 1624
ncaagctgga gctccccgcg gtggcggccg ctctagaact agtggatccc cgggctgcag 60
gngaaaagcc ntggnatgan gaatggaana gagtggattg ggagcaatta tncttttgnc 120
tgtcaaaatg agtgcctttt taggaaatgt ggttcccaat tgttggtttc ctgccatcgt 180
gtgttctaag gaaaattatc catggctcat taaaaaaaaa gtgctttata gcaactgagat 240
aaaattttac atggattaaa gtgattttga gtattttaat cgnaattcgt ccaaaatcaa 300
tatcactgtg tattttctgag cattttcaag tcttttantt acattcagca aattaataat 360
gatataataa atttaaaca tagacattgg cgtggtcttt ttcaaaagta cttagattt 420
gatttatggc tcttacccaa gaatcatcat gaaaaatcga tttgttctgt agcagaactc 480
agtaagcatc ttcttatttc aaatggcaat tttattttta agacagaacc acttaatctt 540
ggaatatattg tttcttcagt aaagatttct gaaatttcca tttattggtc ttctttcccc 600
aaacctaadc atcccacctc attccagatg tcctacttat gtttttcaaa aatgtacttg 660
aaaactaatt gccccatcat gngggtatca aattaaataa gtgattctct gnggccagtt 720
gtcttctgga acttgngggg taatggaaan cctggatctg ccaagaaact ttaaaggga 780
agggagtaac tgggttctac tccccatgac cggggncngg gatttcnttt ggtngaaaaat 840
caaaatcata agttggattc ncttaaataa agccccagg aattaanggg gttaaaaatt 900
caatctttta aatccctcct tnccaaagtn aaaa 934

<210> 1625
<211> 1001
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1001)
<223> n is a, c, g, or t

<400> 1625
ttnnnncaac aagctggagc tccaccgcgg tggcgccgc tctagaacta gtggatcccc 60

cgggctgcag gnnannngcc cngnntatgna aaaaggaaaa gagngganng ngagcaatta	120
ggcttntgnc tgtcanaatg agngcctttt taggaaatgt ggttcccaat ngntggcttn	180
ctgccatcgt gtgntctaag gaaaattatc catggctcat taaaaaaaaa gtgctttata	240
gcactganat aaaannttac atggancaan gggatttga gtattcnaat cgcagtnegn	300
ccaaaatcaa tancactgtg tttttctgag catttncaag tcttttagtt ncatncagca	360
aatgaatagt gatctaataa attaaancaa tnnacnttgg cgtggncctt ttcaaaaagan	420
cttaanattg gnttnatggc tctaacccaa gaatnatcat gaaaaatcca tttgttctgn	480
agcagacctc antaagcatc ttnttatttc aaanggcaat tttattttta ggacagaccc	540
ccttaatctt ggaatattnng tttcttcagn aagnattctt gaaatttcca ttnatnggcc	600
ttttttcccc aaccctaata atcccaacct caattccana ngtcctactt aatgtttttc	660
aaaaaangta cttgaaaaac taattggcca catcatgnng gnaatnaaaa ttaaaataag	720
gggatttctt ngggggccca gttggtnttt tggaaccttt gnggggnnaa tgggaanccc	780
tgggatcctt gcccaaaaaa cctttaang gggaaagggg agtnaaccng gggttccan	840
cncccccaa ggaccggggg cnggggtntt tcctttgggn ggaaaaatcc aaaacctttg	900
gttggaattt ccctaaata aggcccggga ggaattaacg gggtnaaaaa ttccaatctt	960
ttaaaacccc ccctncccaa ggnnaaaaaa gcctaaangg n	1001

<210> 1626
 <211> 905
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(905)
 <223> n is a, c, g, or t

<400> 1626	
ttnngcacan ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atccccggg	60
ctgcaggtgc aagtctttta atagatgtca taacagtgtt tggagaactc actgatgaaa	120
atgtgaaaca cagaaagtat gcaaggtgga aggccacata tattcataat tgtttaaaga	180
atggagagac tcctcaagca gggcctgttg ggattgaaga agataatgta gatgttgagg	240
aaaatgaaga tgctggagcc acctctctgc ccaactcagcc acttcagccg tcatcttcca	300
catatgaccc aagcaacatg ccacgagca gctatactgg aatccagatt cccccgggtg	360
cccacgctcc agtaataccc cagcagaagt gcctcacagc acaggtgtaa caagtaacac	420

tatccagcct actccacaga ctattccggc cattgatcct gcactcttca gtacagtttc	480
ccagggagat atccgactaa caccagagga ctttgctagg gctcagaaat actgcaagta	540
tgctggcagt gctttgcagt atgaagatgt cagcactgca gtgcagaatc tgcagaaggc	600
cctcaagtta ctgactacag gcagagaatg aagcctttgt caacatccat gcattttttg	660
gcttaaagaa ctaacagtcc actactctat cttcagccta tcaggagcac agntttttaag	720
gaagaacttc agttncattg acttttaacc aatgaaaact ggggctgggg atcaaaaattc	780
ctattgaagt attcattagc aggcctcaaa ccagntttca ntgggccatt taangggatc	840
cnggaagncc cttaagggga taagcttntn taatggggaa ccanggnccc ttttatttgg	900
ccnc	905

<210> 1627
 <211> 1024
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1024)
 <223> n is a, c, g, or t

<400> 1627	
gcctatctgg agctncaccg cngtggcggc cgctctagaa ctagtggatc ccccgggctg	60
caggaattcg gcacgaggca gccgcattccc tgagacaaga tggatgaaggc cggagtgaac	120
ggattcggcc gcacgaggcg cctgggcacc agggctgctt ttaattctgg caaagtggac	180
atcgtcgcca tcaatgacct cttcattgac cttcactaca tgggtctacat gttccagtat	240
gattccaccc acggcaagtt caacggcaca gtcaaggcag agaacgggaa gctcgtcac	300
aatggaaagg ccatcaccat cttccaggag cgagatcctg ccaacatcaa gtgggggtgat	360
gctgggtgctg agtatgtggg ggagtcactt ggggtcttca ctaccatgga gaaggctggg	420
gctcacttga aggggtggcg caagaggggc atcatctctg caccttctgc cgatgcccc	480
atgtttgtga tgggcgtgaa ccacgagaag tataacaaca ccctcaagat tgtcagcaat	540
gcctcctgca ccaccaactg cttggcccc ctggccaagg tcatccatga ccactttggc	600
atcgtaggag gacttatgac cactgtccac gccatcactt gccaccann aagactgtgg	660
atggccctc cggggaagct gtggcngtga cggccgaagg gcttgcccag aatatcattc	720
cctgcttcta ctggcgcttg caaaggccgt gggcaaggtc attccttgag ctcaaccggg	780

aaacttcacn tggcatgggc ctttcengtt cccacttcc aacgtgtctg tttgtggatn	840
tgaacctngc cgccttggan naaaccttgg ccaagttttg aatgaaganc caanaaagg	900
nggcgaaacc nngcngtcnn aagggccctc ttcaagggca atttctnagg cttncnccnng	960
agggacccag ttnntntccc tnggaatttc aanagagaga acccttnntt tttttancct	1020
tccg	1024

<210> 1628
 <211> 980
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(980)
 <223> n is a, c, g, or t

<400> 1628	
aaaactggag ctccccgcgg tggcggccgc tctagaacta gtggatcccc cgggctgcag	60
gttcttaatt atcacagcaa atactttggt ctgattgtct gtatcttgtg acaagcgata	120
atgacccagt anaattgcat ccgttctggt attcctggng cgtaagcgtg gaacaatgga	180
ctggggctcc tcgggcgtgg tgagcatcat cacgtggcca tccgggaaga accttacgta	240
cctgtaatat tccacttgggt gccacgctct atanaaacca tcaaganact gctccccttg	300
acaaatatag gnggttttac tgatatacac gccatcaaat cgaacacggg gcctttccaa	360
aaacatctct ctccangatg tgtacggaac aagttaata cagnttctgc cccaancctt	420
caagcaggcc aaacgcnta tttgagggtg tctggcanan atananaatc ctctgcacac	480
ctgtgacanc tgctctaatt atctgangtn caggtcgntg cacaccaccc aacgnaagac	540
gtacatcacg acctccattg gcagancctg atatatgagt cngactgctc tcaagttcag	600
gctgacacag ntngagcaca gacttctgaa acgtgagctg ctgttggaag taagacanga	660
ngtctgncat cttgctgcat catcagtatc ttcaatgnag ctggttccca cgccntcacc	720
atttgagac cgggtataaa gtaatcttga actctatatc agggacaagt tgcatanccc	780
ctacaanaaa acttgatgg gttnataaaa aagctccatt tggctctcnt cnaccggntt	840
ttaagaaaaa attttggang gggggggccc ggtaccaat ttngcccctt tagnggannn	900
annnnnnnaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnnnn nnnnnnnnnn	980

<210> 1629
 <211> 978
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(978)
 <223> n is a, c, g, or t

<400> 1629
 gccctatntg gagntgnatn ncagtggcgg ccgctctaga actagtggat cccccgggct 60
 gcaggaattc ggcacgaggc aaattccttg cagcaggaac ccacttaggt ggcaccaacc 120
 ttgancttcc aaatgggaac aagtacaatc tancaaaagg gaaaagtgat gggattctan 180
 atcataaatc tgaagaagan cgnggggaaaa gcttctggtg gncggttggg ccattggcgn 240
 cattgaaaaan ccggnntnnng gcaanggcac antcntcaag aatnntngnc nanganctng 300
 gntnaaatTT gntngtggcn ntgggaaccnn ttctannngt ngncggttna ntTCgggaac 360
 ctttactnac caaanncnng ncnnattnaa gganccaang ntntngngg ncaccgatcc 420
 canggctnan cancaacccc ttacggaanc cttttanntg aacctgncaa ccattggcct 480
 gtgcaacang gactnttctc tgggcttcgt ggacattggc attccgtgca acaacaangg 540
 agcgcaactca gtgggtctga tgtggtggat gcncTccccg gggaantcct gcgcatgcgt 600
 ggnnaccant tttccgagag cacnccngg ggangngatg cncggaactc tanttnnca 660
 gagatatctt gnggagaatt gaaaaaggna naagcncggc ncccancttg agaaaagctg 720
 tgacccaaag gangagattt cacnggggga aaaggacntg gttccanncc tncanannnt 780
 tacaggttng ctctaccct gnnngnggga aaacnngntc ntgaaagnng tgcaanttgc 840
 ctttcnnggc ccantttanc cagnntcccc actggannaa acnnggaggg cttcaaccct 900
 ttcnnctgaa nnaatagggn ntngngnccc cccacccgc cccangtgnc ccnggaantg 960
 gggtnngaaa accccccc 978

<210> 1630
<211> 951
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, c, g, or t

<400> 1630
tnnancctat ctggagctcc ancnngtgg cggcccgtc tagaactagt ggatcccccg 60
ggctgcaggc tctgaaggaa agcagaaaat agtagaaggt ggaaatgggc gaaaagagaa 120
tgctcattag tagcaggaga aacacaggac anggatccca tcttattggg gttctcagag 180
gacagcagga cantttttca ggactagtag gtagggcagn gtganaancc cntcntccaa 240
aaanananag gtaancctta ccnttacnt ntacnggttn tggngccccc aggnncagcc 300
cnttttntnt ancccaaaaa attaggncc caaanaaggg cacncccagg gnccaaaang 360
ntgggtattat anttagnagg gagngtgatg gnaagnaccc aaatcntaaa ggccaggtcn 420
ccaanttga accaggaaag ggggagagga gattagggaa tctctgtgtn tngngcaccc 480
ggctntggtc nctcttgtgg cagttttttt taaaaanct tctctagctc tagcccnata 540
acnntgtaan atntnccnac ccncagacc ngtgagagcc ctncccaaan tnttgggggg 600
agaagnngc tcttttcaca tttnaagggn ccngntnttg tgannanntt cttctgaaga 660
ctcttnantt cctcttgttt tccccccana gggncctntt gnaaaaaaag gaggaccccc 720
cctcccccca ntattaaccc ccanaagaa gaacnggaag annccctcct tnttcccccn 780
ccncctctt gcntaattt tccccgctg gtcttgtttt aaaaaaaacn ngccaattta 840
ttttttnnaa cggcctngga agggaggtnc nncnacgnc ccctnttttt ttaanaaaaa 900
aaattntttt tccccccccc cccccgttg gggtccnttt ttttttaaag n 951

<210> 1631
<211> 951
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, c, g, or t

<400> 1631
tnnancctat ctggagctcc ancnngtgg cggcccgtc tagaactagt ggatcccccg 60

ggctgcaggc tctgaaggaa agcagaaaat agtagaaggt ggaaatgggc gaaaagagaa	120
tgctcattag tagcaggaga aacacaggac anggatccca tcttattggg gttctcagag	180
gacagcagga cantttttca ggactagtag gtagggcagn gtganaancc cntcntccaa	240
aaanananag gtaancctta ccnnttacnt ntacnggtnn tggngcccc aggnncagcc	300
cntttttntt anccccaaaa attaggggcc caaanaaggg cacncccagg gnccaaaang	360
ntggtattat anttagnagg gaggntgatg gnaagnaccc aaatcntaaa ggccaggtn	420
ccaanttgaa accaggaaa ggggagagga gattaggga tctctgtgtg tngngcacc	480
ggctntggtc nctctgtgg cagttttttt taaaaancnt tctctagctc tagcccnata	540
acnntgtaan atntnccnac ccnccagacc ngtgagagcc ctncccaaan tnttgggggg	600
agaagnngc tcttttcaca tttnaagggn ccngntnttg tgannanntt cttctgaaga	660
ctcttnantt cctctgtgtt tccccccana gggncctntt gnaaaaaaag gaggaccccc	720
cctcccccca ntattaaccc ccanaagaa gaacnggaag anncttcct tntcccccn	780
ccnctctt gcntaattt tccccgcctg gtctgtgtt aaaaaaacn ngccaattta	840
tttttnnaa cggcctngga agggaagtnc nncnacgnc ccctntttt ttaanaaaaa	900
aaattntttt tcccccccc cccccggtg ggttcnttt tttttaaaag n	951

<210> 1632
 <211> 1027
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1027)
 <223> n is a, c, g, or t

<400> 1632	
ttgannaaan tctggagctc caccgcggtg gcggccgctc tagaactagt ggatcccccg	60
ggctgcagga attcggnang aggcctnnnn ntcngnnga cctcgaggng gggccccggn	120
gcccnnnnn gcatatantn actcgnatta cntgtnntc tttanngnnt gtnactact	180
agggcgaatg gatgaantga aagttggagg aaangancta ttngacttaa nangctnttn	240
atgtatcna gctgctntga ntggangtgc cnatntncg aagaattaca ctttttatga	300
nggccccaaag acatatattn tcanaaactg nnnntgacac agncacagcg cttctggacc	360
tgtttcaaaa atnttagaat atttgaata tatangatnc ggtctttncg ctggntaaac	420
gatanagcca gnttngtga gtntgcatan annaaantna nnggcctcgg ccnnaaaan	480

aaanctnccn tttttttttt acnnnccctt tcncccgcctt ggcttcccga ttttttannt	540
naggnttgga anaataattt aaatggcncc ccttttaang antgccnaca aatttttgaa	600
nggcttaggc cnagttttcc ccctngggca nnaacccttn cnttttnatt tnccagnncc	660
tngnttncca gggggncatt ntcttttttg aaagnaaann gccttttncc ccccttanat	720
tggtttnncc nttanttaat tggncccatn tnnntttaaa aaaaccnggg gncccccat	780
gaanaccngg cccttttggt ttnaatcccc cccttttttt naggggaann ggggatttcc	840
aaaaannnnn nnaaccccc cnnnaaaacc ctnttcncc tcccnntnna aaccnnaccn	900
nnaattggtt ttttttnccc cnnaaanaat ntttttttg naaaanggcc ctnggggcnn	960
ccantcnacn ttngnacctt gggnnccann gggggaaaaa aaaccccccn ttntggngnn	1020
acctnct	1027

<210> 1633
 <211> 963
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(963)
 <223> n is a, c, g, or t

<400> 1633	
ncannanctg gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggc ttnntggggn ctgagccgag ccgaggcctg actgctcccg	120
ccgnccacaa gctgctgtca cngggctctg cacagacagg tanagggcac cnaattccgg	180
agcgctaca gcctggacaa gctgtaccgc gaatcgnggg gcgcggacac cgctggagg	240
gtcccgggcn acgcaaagca aggcaacgat gacattcctg tntatcgctt gacgatatnt	300
nactgtcgga ncagtgggcc tggggggccag aacgttaaca aanngaactc caaggctgaa	360
gtcaggntcc acctggcaag cgccgactgn atcgagagc ccgtgcgna gaagatggct	420
ctcacgcaca aaaataagat caacagggcg ggagagctga tcctcacgtc tgaatacagc	480
cgctatcagt tccgaaacct ggcagattgc ctncagaaaa ttcgagacat gattgccgag	540
gccagccagc cagccacaga gccatncaaa gaagatgctt gccttcagaa actcangata	600
gaaaacattg aatcgcgaaa nggttccgaa aaaaaganaa taaacttttg ncattnaana	660
cgagcaggag ggtcgggtacc ggacttgaaa gcacccttc gagccagcaa aanccttc	720

anggccnccc aggtgggttc ggacaccaag aaaacgggng tctgggtccgg ggcacttggt	780
cgnntttttac cgtnggaanc cgtngnaaaa aaggtccttt cgggaaccna aggtttgtaa	840
gnccctgggc cncccaaggt nnttttaaag gggaaaaccc gngtttttnc cancctttcg	900
ttttncatt ngncgccggn ttaanttggc aatnaaaaat tnttnaaact tcnaaaaaaa	960
aat	963

<210> 1634
 <211> 963
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(963)
 <223> n is a, c, g, or t

<400> 1634	
ncannanctg gagtccacc gcggtggcgg ccgctctaga actagtggat cccccgggct	60
gcaggaattc ggcacgaggc ttnntggggn ctgagccgag ccgaggcctg actgctcccg	120
ccgnccacaa gctgctgtca cngggctctg cacagacagg tanagggcac cnaattccgg	180
agcgctaca gcctggacaa gctgtacccg gaatcgnggg gcgcggacac cgcttgagg	240
gtcccgggcn acgcaaagca aggcaacgat gacattcctg tntatcgctt gacgatatnt	300
nactgtcggg nactgtgtcc tggggggccag aacgttaaca aanngaactc caaggctgaa	360
gtcaggntcc acctggcaag cgccgactgn atcgagagc ccgtgcggna gaagatggct	420
ctcacgcaca aaaataagat caacagggcg ggagagctga tcctcacgtc tgaatacagc	480
cgctatcagt tccgaaacct ggcagattgc ctncagaaaa ttcgagacat gattgccgag	540
gccagccagc cagccacaga gccatncaaa gaagatgctt gccttcagaa actcangata	600
gaaaacattg aatcgcgaaa nggttccgaa aaaaaganaa taaacttttg ncattnaana	660
cgagcaggag ggtcgggtacc ggacttgaaa gcaccccttc gagccagcaa aancccttc	720
anggccnccc aggtgggttc ggacaccaag aaaacgggng tctgggtccgg ggcacttggt	780
cgnntttttac cgtnggaanc cgtngnaaaa aaggtccttt cgggaaccna aggtttgtaa	840
gnccctgggc cncccaaggt nnttttaaag gggaaaaccc gngtttttnc cancctttcg	900
ttttncatt ngncgccggn ttaanttggc aatnaaaaat tnttnaaact tcnaaaaaaa	960
aat	963

<210> 1635
<211> 954
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(954)
<223> n is a, c, g, or t

<400> 1635
ttnaacaaan ctggagctcc ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggnnn nnangngngn gntcntngan ctgcncctgc tggagnnggg ncnngggcng 120
nnnnnngggn tcnagtgcng cgctnaagnc gagcgccaga ttccagttct tcagacaaac 180
aatggtccga gtctaacggg actgactacc atagcagctc acctagtcaa gcaggccaac 240
aaggagtatt tgctggggag cacggcagag gagaaagccg tggttcagca gtggttagag 300
tacagggtaa cgcgagtggg cggacactcc agtaaagatg acatccacac ggtcctgaag 360
gatcttaatt catatcttga agataaagtc taccttacag gatataactt cacattagca 420
gatatcctat tatattatgg gcttcatcgc tttattgttg acctgacagt tcaagagaag 480
gagaaatatc ttaacgtgtc gcgctggttt tgtcacattc agcactgtcc agggattagg 540
cagcatctgt ctagtgttgt cttcatcaag aacagactat atactaattc ccagtagaag 600
ccaccgcgc cccggccaga agaaggaata acccatgtcc agtgggnaag tngngtttcn 660
ganccanagg actgacgtgn acctgatttc nttcatttct tntatttggg ngaaanttgg 720
taaaaattta aagtaccaac ctcttgctcc caagcatttt tgggctgggt tttttaaant 780
ggaccanttt ttgccaagtt ttttttttta atggnaaaaa acttttcaac ctgggtgggc 840
caaaaacctt tggggttggg aaaatccaag gttttttcaa gttntttntt ngggtttttt 900
tnttgaccc ttaagattgg aaaatttttn tgggtnaaan aaaaaagttg gcca 954

<210> 1636
<211> 1092
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(1092)
<223> n is a, c, g, or t

<400> 1636
gccnatnngg agnncgcatn acagggggcg gccgctctan aacttgtgga tccccgggc 60

tgcaggcttc agggcaaaaa ngnnnagtn	ttctagaaag tacnagngct tgtgcctgct	120
cctgggggga agggaccttn ncggatntga	gggttaancc ttanagaaat nagctgttgt	180
gtaatacaan ganatctaca atgacaccga	cagcctgttc ccaacaagtc ctngcatcc	240
tcttcctaaa gaggaccctt ttcattcttc	ctagnagacc aggaagnatn ttcattctac	300
ccaggagaaa nttgtaggag aaggcgcta	cagaggatga cttctaagcg atgtttgcta	360
aggagagagg gcacnganag atgccataat	acnttgattg gnetgtgaat ttaacctccc	420
taccgtgga acctcacncn ctgtgccann	ggccttgagt tgtgtggaaa cagcccaaa	480
ggcattagnc tacntgcagg ctcttggtg	ctaaanagct tgaccttcct gggcanngtn	540
tgcctgnatt ggncngtcg ancgnnannt	ggagttataa ngatgtntgg cttccattg	600
gtncacttc caagtctgt ttcacacncc	atanatacnt ttaagccnng tgcannanac	660
ntncanaant ntgngnattn cctgcgng	ctatcgantg aaanattnta tgnngtccn	720
gnntctnann anngcgncn ttgctggnc	ntttgntngn angngncct tctatctaaa	780
cctgtaanng gnagtcacnc tanncnctt	cttcatngtc cttccnantg gngngnncc	840
ttnggaacct ctctttnga gnnnnnnnn	ancgtncng gtcnaaaatn angcctcgga	900
gntaatntcn tttantnttn nnancaact	ttttgnnnnn ntaatatng natctttntg	960
gnnttcttn tcntnctgnn ntncctantn	tntnancnt attcngnttn cncnnnga	1020
tgcnctcnn cancttnatc tcntatatnc	cncntttcnt cgnaanncnn ccctattaat	1080
ctttntnac cc		1092

<210> 1637
 <211> 1038
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1038)
 <223> n is a, c, g, or t

<400> 1637		
ncaanactg gagctccacc gcgggggg	gccgctcta gaactagtgg aatcccccg	60
gcttnaagcc gntngcgaa nccggtggg	aggcggtgt ccgggctgag ggccgccaca	120
gggcgccggc gagatggagg tgacggggt	gtcggcnccc acagngaacg tgttcatcag	180
cagctntntc aacagntttc gttcccaaaa	ncggnncagn cnnancctnn ccgnacntaa	240
ttnaaangnn aannancant tngtgtggg	caacctgntt cttgnntgtn anannagctg	300

tntgnacctg acaacannnt ttgttgtaan cttnatcacn atgatacgct nctgggctcc	360
taccaccag angacgactg gtgcatccnt nttnttgncc accacggngc cccctttnt	420
gagnatgaat gacatatcta agnnggggna atatgnaata tctcnnaaaa gcnnttgta	480
agaaagngag gaantantcn ntcctttcct taaangcanc anaannnggn tnngtntatt	540
taaaaaaaaa ngggggccncc ccaangannn ggaaanatca cntccctttt tttanggagg	600
aggacgggnc aagccatant nttgtgtgc agcccnttng gatgntanga cccctgagcc	660
agccccntc ccatngggcn nccgtacttn ttttgtnnnn ttgnacnnan ttnaaaccnn	720
gnnttttggt attngggatt cgnntttcn ttaaccccaa acgnaaaaaa ncaaaanncn	780
ctnggcaatg gtgaaaactt tttttttatt tttgatngcn angnnnngct ntnntnnatt	840
cttttttnnn ttaaaanggg gnaaantnt ngcaataaaa aanaanagnn ntttgnant	900
tagantgnaa ccnaanggg ngagggnnnn nntcttntt tnnnctnnnn nccanattn	960
ccttcttctt tntntntnc cnggggtnc ccttnnnccn ttnccnnttt tnnntttttt	1020
tacntnccnn ccccnccn	1038

<210> 1638
 <211> 1002
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(1002)
 <223> n is a, c, g, or t

<400> 1638	
gccctatnng gagctgcanc ncngngggcg gccgctctag aactagtgga tccccgggc	60
tgcagggnac nttgngtana gagatcctct tgcgagagct anaggtgccg gcgngcntgn	120
ccctggagan cnttctgatt cccttccttn nggnnatggg ggatcanaag cngntttan	180
acctttttaa ggtncggnt agnacaaang anctngngcc ngcccattnt nnacancnt	240
tgnaccttcn ggaccccgag aaacgaaaag aatttnttaa cancnnnctt ggcttggcct	300
tttnaatncn aagantnnng gnacntncca aancnttacn cncttcngga acngcnganc	360
nttatngang naaacgatcg gnatntagaa ntaangggnc agantgnngt ntccngaag	420
cacccccgca aagcggccat tctnaacatg ccgntggnga cnacnctctt ntactcngc	480
ttntaccact acacacgagg ctgaggggac gttcngcncc ccannngaac ctgtnagana	540

gacgtgtang atnccacaca aacaggtaca ngctgncacc gctgtctcgc tcnegccccc	600
nctctcnggc cctgngattg ncatcagatg cccctgtnta ccaccaacna anatgtntgg	660
tgctncccc cacnaaan agcngccccc nctgannncc cctcngnnnc gtggnagatt	720
tttgcncan cnaatattgg cccccngttn caggannttt cnngangngt gtnccatcnt	780
ngtgnaagaa tgccctcccc cacngnngga acttnngccc ccncnggtc ccactagttn	840
cttgattggn gggnttgggt atanccttnc cggncgancc ttnaannnat cnntcentcc	900
tntttngttt cncacnnccc ngcanncnnc nngngggctn tananggntt ctttnncggn	960
ggaaggaaga aaaaantnga ntngcccntt cttnaanana nc	1002

<210> 1639
 <211> 925
 <212> DNA
 <213> Bovine

<220>
 <221> misc_feature
 <222> (1)..(925)
 <223> n is a, c, g, or t

<400> 1639	
nncaaanctg gagctccacc gcggggggcg gcccgctcta gaactagtgg atcccccg	60
ctgcaggatt ncnncacgag gccncagtgt ggnacntntg gnntnnacnn tcgancaaaa	120
gcnncgtngc ctggtnnncg ganaanattn cngganttnn agnccccaaag ggggncttac	180
cnttccnggg cccnccan cn ttttnagggn tnnnaccn ntngncnttc ccttncnnac	240
natagttncn ttatttnncc annacngaaa naagacnccg gaatnanaat gaacntgggc	300
ccannnttg ntcgncggac cnntncttng aagtaagggt ctggncccgg gggtnctgg	360
gtttncataa acggggcctc tncattgggg gctctatccc gcganccatn ttgtggncat	420
ttgagtncan nggataaant ctctctntct atncacnggg gggggggggc tctctctgag	480
aaanncactc ctgtgnccn ntttctctna anaaatgggg tggggcanaa tctcgtgntt	540
ttttgcngcc cctctcngt gtgananggc nncatgncgc tgnttcttac tantaataat	600
gcncttnata cccnnnataa aaanntttta aancannngg ggggggcn nccccnngg	660
ggggcncng gggnnnnntt tnttnnnnnn nnnnnnnntn aannnnnnnn nnnnnnnnn	720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn	780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn	840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn	900

nnnnnnnnnnnn nnnnnnnnnnnn nnnnnn

925

<210> 1640
<211> 925
<212> DNA
<213> Bovine

<220>
<221> misc_feature
<222> (1)..(925)
<223> n is a, c, g, or t

<400> 1640
nncaaanctg gagctccacc gcggggggcg gcccgctcta gaactagtgg atcccccggg 60
ctgcaggatt ncnnacagag gccncagtgt ggnacntntg gnntnnacnn tcgancaaaa 120
gcnnctgngc ctggtnnncg ganaanattn cngganttnn agnccccaag ggggncttac 180
cnttcnnggg ccnccanctn ttttnagggn tnnnaccccn ntngncnttc ccttncnnac 240
natagttncn ttatttnncc annacngaaa naagacnccg gaatnanaat gaacntgggc 300
ccannnttg ntcgncggac cnntncttng aagtaagggt ctggncccgg gggtnctggt 360
gtttncataa acggggcctc tncattgggg gctctatccc gcganccatn ttgtggncat 420
ttgagtncan nggataaant ctctctntct atncacnggg gggggggggc tctctctgag 480
aaanncactc ctgtgncccn ntttctctna anaaatgggg tggggcanaa tctcgtgntt 540
ttttgcngcc cctctcnngt gtgananggc nncatgncgc tgnttcttac tantaataat 600
gcnccttnata ccnnnnataa aaanntttta aancannngg gggggggccnn nccccnngg 660
ggggcncnng gggnnnnntt tnttnnnnnn nnnnnnnntn aannnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 900
nnnnnnnnnn nnnnnnnnnn nnnnnn 925